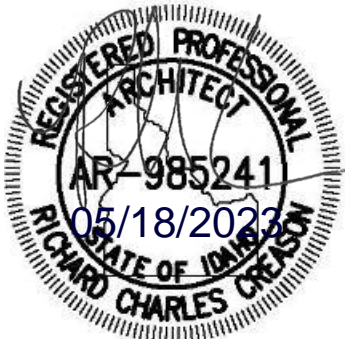


ITD D6 ISLAND PARK IP HOUSING DEVELOPMENT



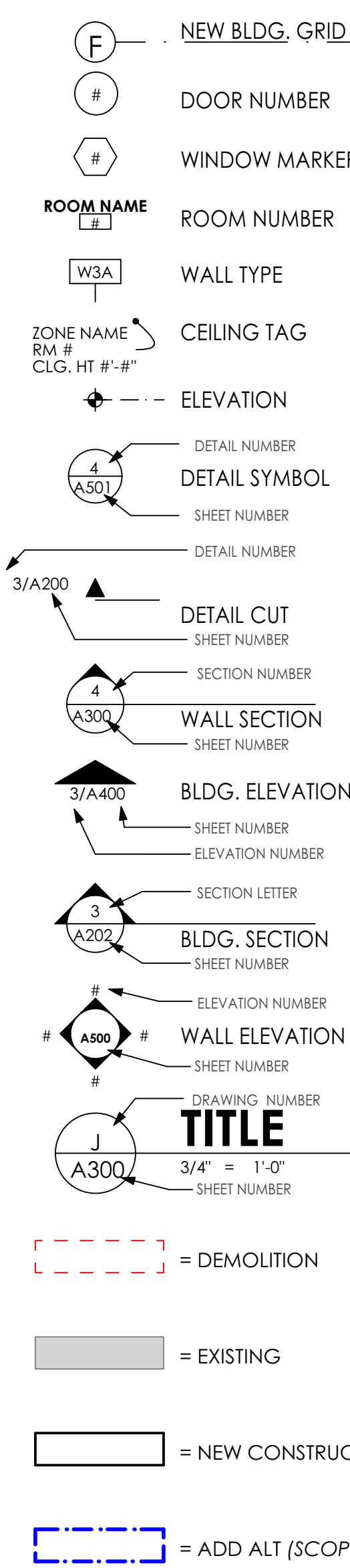
AIA NCARB ASD

ISLAND PARK, ID

ABBREVIATIONS

| | | | |
|-------|-------------------------------|----------|--|
| ACPS | ACOUSTIC CEILING PANEL SYSTEM | HVAC | HEATING, VENTING & AIR CONDITIONING |
| AC | AIR CONDITIONING | INSUL | INSULATION |
| ADJ | ADJUSTABLE | INT | INTERIOR |
| AFF | ABOVE FINISH FLOOR | LAM | LAMINATED |
| ALT | ALTERNATE | LOC | LOCATION |
| ALUM | ALUMINUM | LRG | LARGE |
| AV | AUDIO/ VISUAL | MAS | MASONRY |
| BRD | BOARD | MAX | MAXIMUM |
| BLDG | BUILDING | MECH | MECHANICAL |
| BTM | BOTTOM | MTL | METAL |
| CAB | CABINET | MANUF | MANUFACTURER |
| CG | CORNER GUARD | MHU | MOBILE HOME UNIT |
| CJ | CONTROL JOINT | MIN | MINIMUM |
| CLG | CEILING | MISC | MISCELLANEOUS |
| CLR | CLEAR | NA | NOT APPLICABLE |
| CMU | CONCRETE MASONRY UNIT | NO | NUMBER |
| COL | COLUMN | NOM | NOMINAL |
| CONC | CONCRETE | NTS | NOT TO SCALE |
| CONN | CONNECTION | OC or | ON CENTER OR CENTER LINE |
| CONT | CONTINUOUS | OFCl | OWNER FURNISHED - CONTRACTOR INSTALLED |
| DEMO | DEMOLITION | PT | PRESSURE TREATED |
| DTL | DETAIL | PART BRD | PARTICLE BOARD |
| DF | DRINKING FOUNTAIN | PLAN | PLASTIC LAMINATE |
| DIA | DIAMETER | PEJ | PETROLEUM EXPANSION JOINT |
| DIM | DIMENSION | PLY | PLYWOOD |
| DISP | DISPENSER | PRE-FIN | PRE-FINISHED |
| DR | DOOR | PWR | POWER |
| DWG | DRAWING | RCP | REFLECTED CEILING PLAN |
| DWR | DRAWER | RD | ROOF DRAIN |
| EA | EACH | REF | REFERENCE |
| EF | EXHAUST FAN | REINF | REINFORCEMENT |
| EIFS | EXT. INSUL. & FIN. SYSTEM | REQ | REQUIRED |
| EJ | EXPANSION JOINT | RM | ROOM |
| ELEC | ELECTRICAL | SHT | SHEET |
| EMER | EMERGENCY | SHTG | SHEATHING |
| EQ | EQUAL | SIM | SIMILAR |
| EQUIP | EQUIPMENT | SPEC | SPECIFICATIONS |
| ETR | EXISTING TO REMAIN | SQ | SQUARE |
| EXP | EXPOSED | SAN | SANITARY SEWER |
| EXPAN | EXPANSION | SS | SOLID SURFACE |
| EXT | EXTERIOR | SST | STAINLESS STEEL |
| FD | FLOOR DRAIN | STL | STEEL |
| FE | FIRE EXTINGUISHER | STOR | STORAGE |
| FEC | FIRE EXTINGUISHER CABINET | STRUCT | STRUCTURAL |
| FF | FINISH FLOOR | SUSP | SUSPENDED |
| FG | FINISH GRADE | TEMP | TEMPERATURE |
| FLR | FLOOR (ING) | TERM | TERMINATION |
| FTG | FOOTING | TOF | TOP OF FOOTING |
| GA | GAUGE | TOB | TOP OF BEARING |
| GALV | GALVANIZED | TYP | TYPICAL |
| GL | GLASS | VERT | VERTICAL |
| HC | HOLLOW CORE | VT | VINYL TILE |
| HM | HOLLOW METAL | w/ | WITH |
| MHU | MOBILE HOME UNIT | w/o | WITHOUT |
| HORIZ | HORIZONTAL | WD | WOOD |
| HR | HOUR | WP | WATER PROOF |

SYMBOLS



BUILDING DESCRIPTION

SEE FULL DRAWING SET FOR MANUFACTURED HOME UNITS WITHIN ITD SITE. THE MANUFACTURED HOME UNIT(S) ARE PURCHASED BY THE OWNER (ITD). THE MANUFACTURED HOME PROVIDER WILL DELIVER THE UNIT(S), HOOKUP THE UNIT(S) AND PROVIDE UNIT(S) "BY OTHERS" ITEMS AS PROVIDED WITHIN FULL DRAWING SET.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR'S TO DEVELOP AND PROVIDE UNIT(S) PAD WITH NEW MECHANICAL, PLUMBING AND ELECTRICAL PER THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW FULL JURISDICTION or IDOPL PERMITTING REQUIREMENTS.

BLDG. INFO.

ACTUAL MHU AREA: 933 SF
OCCUPANCY CLASSIFICATION: [R] Residential (Manufactured Home)

Manufactured Home: Homes built on/after June 15, 1976; federalized construction to one single, nation-wide standard (24 CFR §3280) under authority of the National Manufactured Housing Construction and Safety Standards Act of 1974, signed into law by President Ford

PERMITTING THROUGH IDOPL (IDAHO DIVISION OF OCCUPATIONAL AND PROFESSIONAL LICENSES), REQUIRED PERMITTING:

- FOUNDATION PERMIT
- INSTALLATION PERMIT and INSTALLATION TAG
- ON-SITE MECHANICAL, PLUMBING AND ELECTRICAL PERMITTING

REF. INFO AT:
idahohousingassociation.org
dbs.idaho.gov

LOCATION MAP



CONSULTANTS

STRUCTURAL ENGINEER

FROST STRUCTURAL ENGINEERING
1020 LINCOLN ROAD
IDAHO FALLS, IDAHO 83401
PHONE (208) 227-8404
FAX (208) 227-8405

ELECTRICAL & PLUMBING ENGINEER

MUSGROVE ENGINEERING, P.A.
645 WEST 25TH STREET
IDAHO FALLS, ID 83402
PHONE: 208 523-2862

CIVIL ENGINEER

NVS
690 INDUSTRY WAY, SUITE 10
MERIDIAN, IDAHO 83642
(208) 342-5400

CONTACTS

OWNER

IDAHO TRANSPORTATION DEPARTMENT (ITD)
11331 WEST CHINDEN BLVD.
BOISE, IDAHO 83714
CONTACT: JACOB JACKSON
EMAIL: jacob.jackson@itd.idaho.gov

ARCHITECT

RICHARD CREASON
122 S. MAIN STREET SUITE 1
POCATELLO, ID 83240
PH: 208.232.3741
E-MAIL: richard@myersanderson.com

DEFERRED SUBMITTALS

MHU or MANUFACTURED HOME UNIT PURCHASED BY OWNER AND NOT IN CONTRACTOR'S SCOPE. MHU TO BE SITE DELIVERED, HOOK-UP, CRAWL SPACE SKIRTING, AND LANDING WITH STAIRS BY MHU PROVIDER.

DRAWING INDEX

| SHEET NUMBER | SHEET TITLE |
|-------------------------|--------------------------------|
| GENERAL SHEETS | |
| G100 | COVER SHEET |
| SITE PLANS | |
| SP100 | ARCHITECTURAL SITE PLAN |
| CIVIL | |
| C1.0 | SETUP |
| FLOOR PLANS | |
| A100 | OVERALL FLOOR PLANS |
| STRUCTURAL | |
| S1.0 | FOUNDATION PLAN |
| PLUMBING AND MECHANICAL | |
| P0.0 | MECHANICAL PLANS |
| P1.0 | MECHANICAL PLANS |
| ELECTRICAL | |
| E0.0 | COVER SHEET |
| SE1.0 | ELECTRICAL SITE PLAN |
| E1.0 | POWER PLAN |
| E2.0 | ONLINE DIAGRAM & TRENCH DETAIL |

DBS STAMP

PROJECT NAME:
ITD D6 ISLAND PARK
IP HOUSING
DEVELOPMENT
ISLAND PARK, ID

SHEET TITLE:

COVER SHEET

DRAWING SCALE APPLIES
TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY
ALL DIMENSIONS & CONDITIONS
SHOWN or IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF
DRAWINGS or SPECIFICATIONS

REVISION DATE

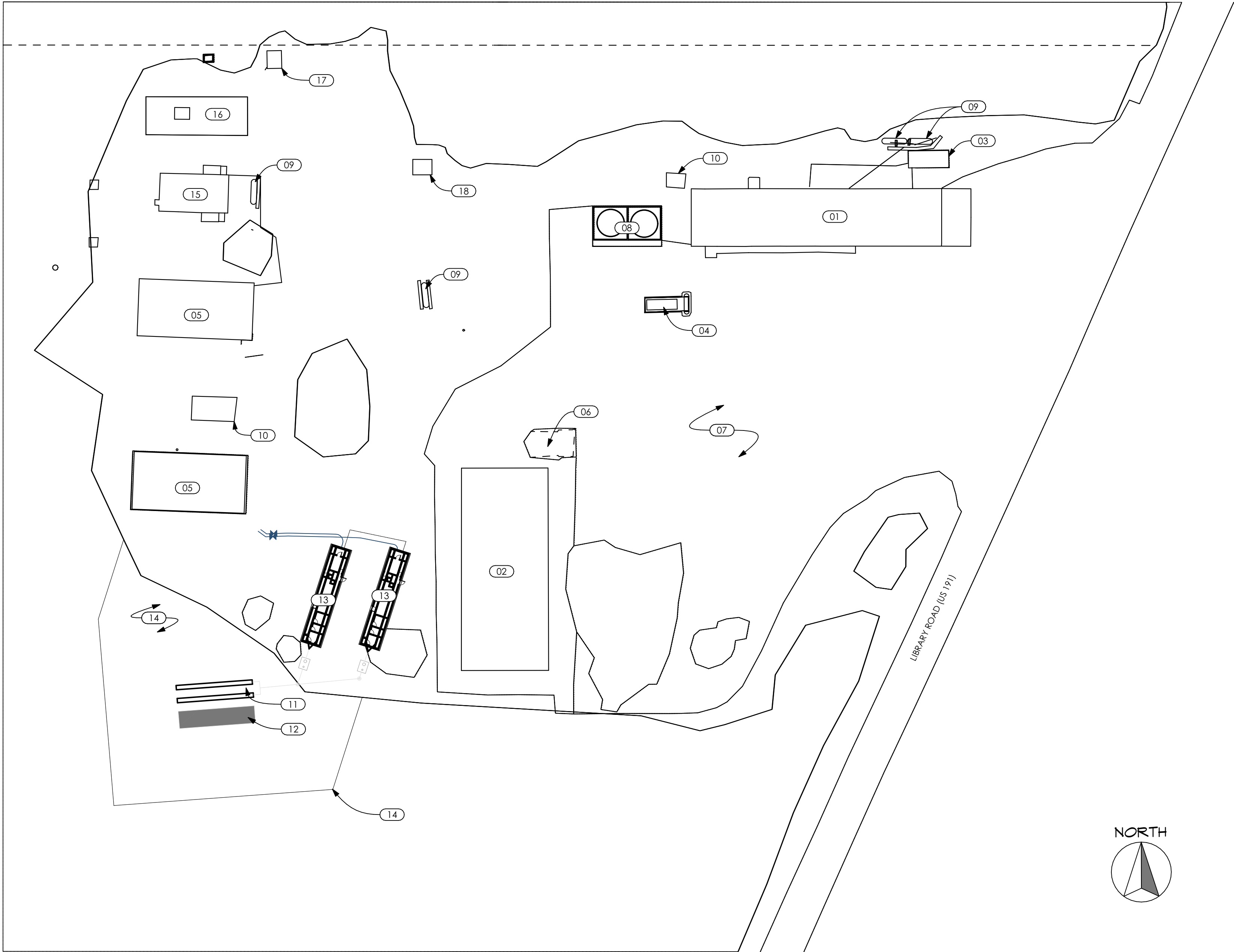
CLIENT
PROJ.
NUMBER:

ARCH.
JOB
NUMBER: 23604

SHEET
ISSUED
DATE: MAY 2023

SHEET
G100

| SITE PLAN KEYED NOTES | |
|-----------------------|---|
| 01 | EXISTING MAINTENANCE BUILDING TO REMAIN. |
| 02 | EXISTING SAND/ SALT BUILDING TO REMAIN. |
| 03 | EXISTING SAND AND GREASE TRAP TO REMAIN. |
| 04 | EXISTING FUEL ISLAND TO REMAIN. |
| 05 | EXISTING COVERED MOBILE HOME TO REMAIN. |
| 06 | EXISTING LOADING RAMP TO REMAIN. |
| 07 | EXISTING ASPHALT TO REMAIN. |
| 08 | EXISTING BRINE TANKS TO REMAIN. |
| 09 | EXISTING PROPANE TANKS TO REMAIN. |
| 10 | EXISTING SEPTIC TANK. SEE CIVIL. |
| 11 | NEW SEPTIC TANK. SEE CIVIL. |
| 12 | PROPOSED DRAIN FIELD. SEE CIVIL. |
| 13 | NEW MANUFACTURED HOME BY ITD. CONTRACTOR SHALL REMOVE ALL DEBRIS, VEGETATION AND ALL OTHER ITEMS ON SITE FOR NEW MANUFACTURED HOME. |
| 14 | EXISTING VEGETATION IN AREA OF WORK TO BE REMOVED BY CONTRACTOR. COORD. W/ CIVIL DRAWINGS. |
| 15 | EXISTING ISP HOUSING TO REMAIN. |
| 16 | EXISTING RV SEPTIC CLEANOUT AND SHELTER TO REMAIN. |
| 17 | EXISTING STORAGE FOR ISP TO REMAIN. |
| 18 | EXISTING WELL HOUSE TO REMAIN. |



1
SP100

ARCHITECTURAL SITE PLAN

SCALE: 1" = 50'

DBS STAMP

PROJECT NAME:
**ITD D6 ISLAND PARK
IP HOUSING
DEVELOPMENT**
ISLAND PARK, ID

SHEET TITLE:

**ARCHITECTURAL
SITE PLAN**

DRAWING SCALE APPLIES
TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY
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DRAWINGS or SPECIFICATIONS

REVISION DATE

CLIENT

PROJ.

NUMBER:

ARCH.

JOB

NUMBER:

23604

SHEET

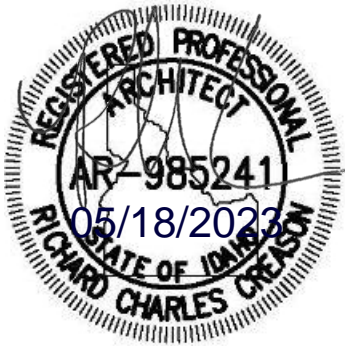
ISSUED

DATE:

MAY 2023

SHEET

SP100

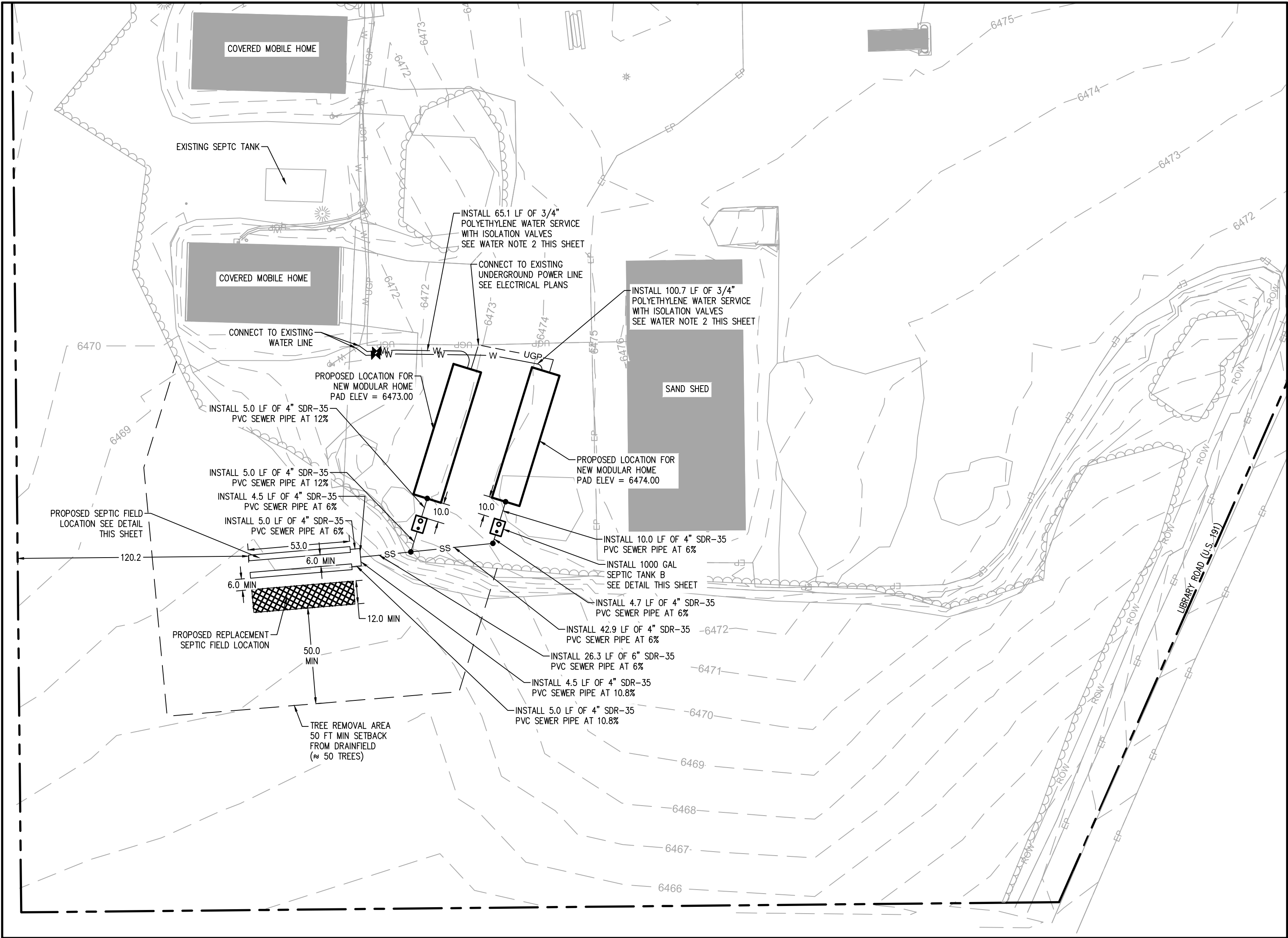


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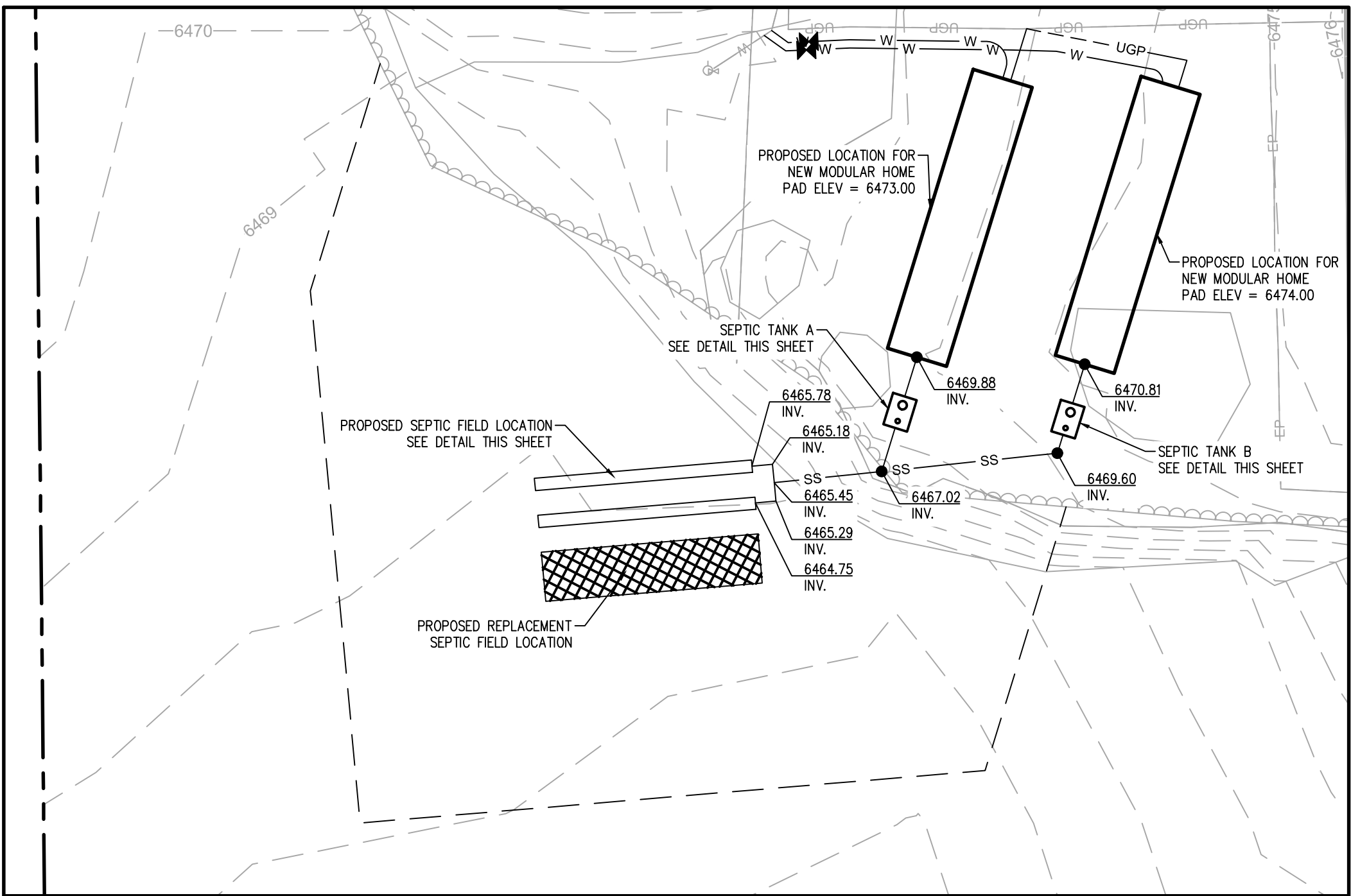
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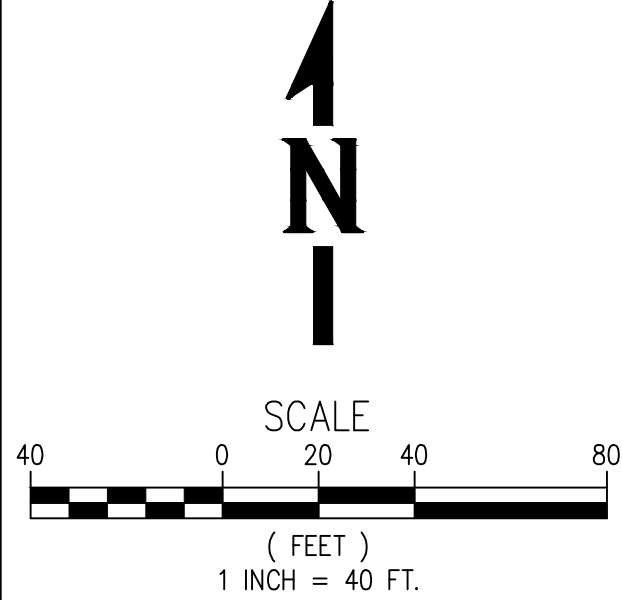
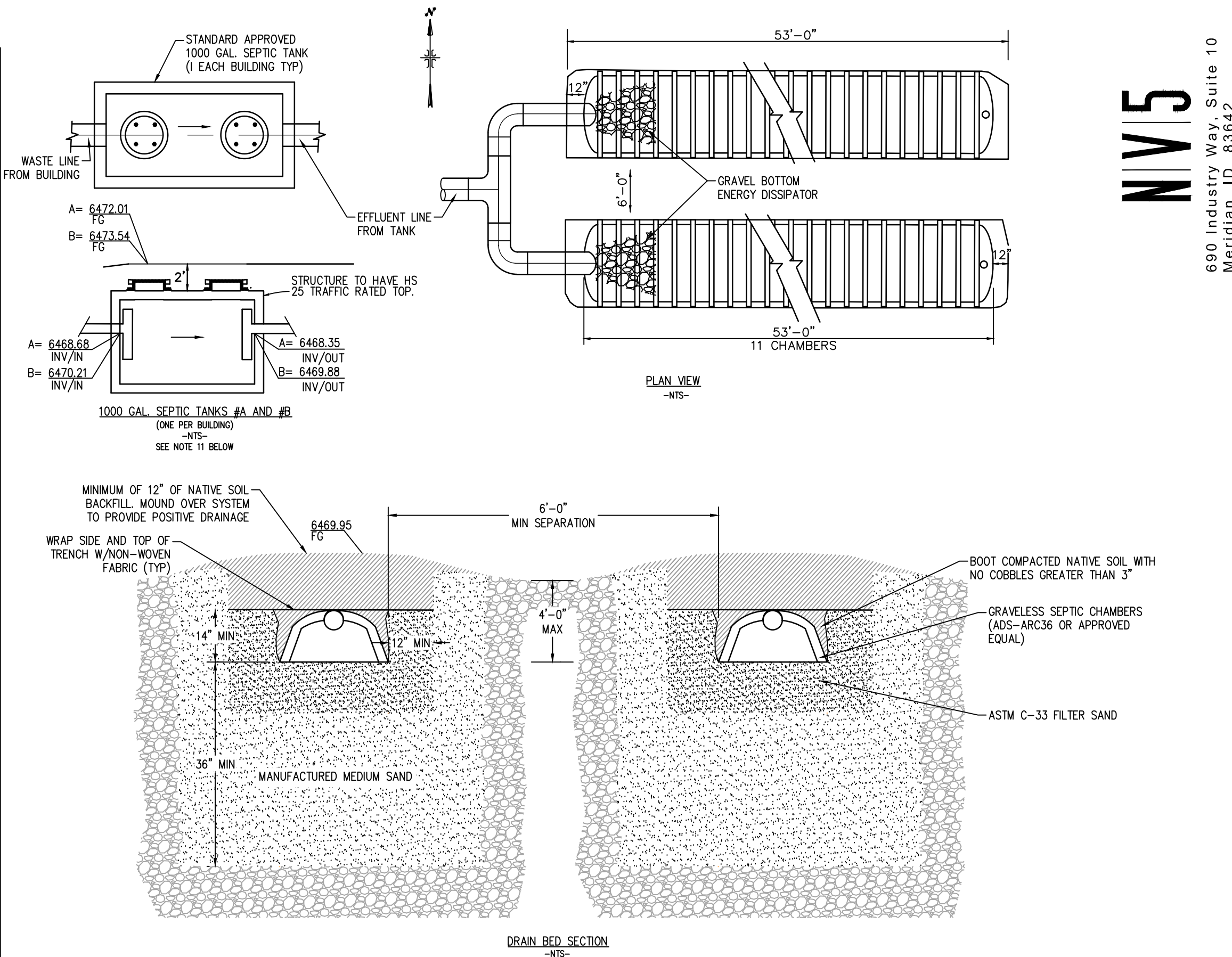
AIA NCARB ASID



SITE LAYOUT



SEPTIC SYSTEM AND DRAINFIELD LAYOUT



NOTES:

- SEEPAGE BED MUST BE 15 FEET BACK FROM PROPERTY/ROW LINE.
- PER THE IDWR ONSITE WELL LOGS, GROUND WATER IS ESTIMATED TO BE GREATER THAN 70' DEEP AND WILL NOT BE AN ISSUE.
- USDA WEB SOIL SURVEY DATA WAS USED TO SIZE THIS SYSTEM. IF DURING CONSTRUCTION THE HEALTH OFFICER DETERMINES THAT THERE IS A DISCREPANCY THE SYSTEM MAY NEED TO BE REDESIGNED.
- THE CONTRACTOR INSTALLING THE SEPTIC SYSTEM MUST BE CERTIFIED TO INSTALL SEPTIC SYSTEMS IN THE EASTERN HEALTH DISTRICT.
- APPROVAL BY THE EASTERN DISTRICT HEALTH OFFICE SHALL BE REQUIRED PRIOR TO INSTALLATION OF THE SYSTEM.
- THE CONTRACTOR SHALL HAVE PLANS APPROVED FOR CONSTRUCTION BY THE EASTERN DISTRICT HEALTH OFFICE, ON SITE AT ALL TIMES. ANY CHANGE FROM THE PLANS SHALL BE APPROVED BY THE HEALTH OFFICE, AND THE OWNER.
- THE CONTRACTOR SHALL CONTACT THE EASTERN DISTRICT HEALTH OFFICE FOR INSPECTION OF ALL SANITARY FACILITIES PRIOR TO INSTALLATION OF THE SYSTEM. MINIMUM 2 WORKING DAYS NOTICE IS REQUIRED.
- APPROVAL IS CONTINGENT UPON INSPECTION.
- CHAMBERS TO BE INSTALLED ACCORDING TO MANUFACTURERS' SPECIFICATIONS.
- SEE SITE PLAN FOR VISUAL SCHEMATIC LAYOUT FOR SYSTEM.
- THE SEPTIC TANK SHALL MEET THE REQUIREMENTS AS SET FORTH IN SECTION 1.4.2.1.1 OF THE 2018 EDITION OF THE TECHNICAL GUIDANCE MANUAL FOR INDIVIDUAL AND SUBSURFACE SEWAGE DISPOSAL SYSTEMS PREPARED BY THE STATE OF IDAHO DEQ.

SIZING CALCULATIONS

SOIL NS (NOT SUITABLE) FOR INSTALLATION OF A SUBSURFACE SEWAGE DISPOSAL SYSTEM FROM USDA WEB SOIL SURVEY (April 19, 2023). ENVELOPED IN-TRENCH SAND FILTER DRAINFIELD REQUIRED DUE TO UNSUITABLE SOIL WITH AN APPLICATION RATE >1.2 GPD/FT². DOWNGRADE TO 1.2 GPD/FT² USING STANDARD ENVELOPED IN-TRENCH SAND FILTER DESIGN PER 4.23.3.2.1 OF THE DEQ TECHNICAL GUIDANCE MANUAL (MARCH 2023).
SOIL APPLICATION RATE = 1.2 GPD/FT²
2 NEW BUILDINGS WITH 3 BEDROOMS EACH = 2-3 BEDROOMS @ 250 GPD/EA (500 GPD)
ARC 36 CHAMBERS IF USED PROVIDE (25% reduction)

SYSTEM SIZE W/ ARC CHAMBERS
Length = $\frac{[(500 \text{ GPD}) / (1.2 \text{ GPD/ft}^2)]}{4 \text{ ft}^2/\text{LF}}$
= 104.2 LF (2 legs each 53' long)
With Chamber length and required spacing = 2 legs 53'-0" long x 3' wide with 11 chambers each and 6' of unexcavated earth between them.

SYSTEM SIZE STANDARD SYSTEM
Length = $\frac{[(500 \text{ GPD}) / (1.2 \text{ GPD/ft}^2)]}{4 \text{ ft}^2/\text{LF}}$ = 416.7 LF
With 4' wide trenches = 2 legs 53'-0" long x 4' wide and 6' of unexcavated earth between them.

ADDITIONAL WATER NOTES

- CONTRACTOR TO VERIFY LOCATION OF EXISTING WATER LINE CONNECTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- INSTALL WATER SERVICE LINE AS ONE CONTINUOUS PIECE FROM ISOLATION VALVE TO BUILDING CONNECTION.



Know what's below.
Call before you dig.

PROJECT NAME:
ITD D6 ISLAND PARK HOUSING DEVELOPMENT

SHEET TITLE:
SETUP

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS OR SPECIFICATIONS

REVISIONDATE

CLIENT PROJ. NUMBER:
ARCH. JOB NUMBER:
SHEET ISSUED DATE:
SHEET

811

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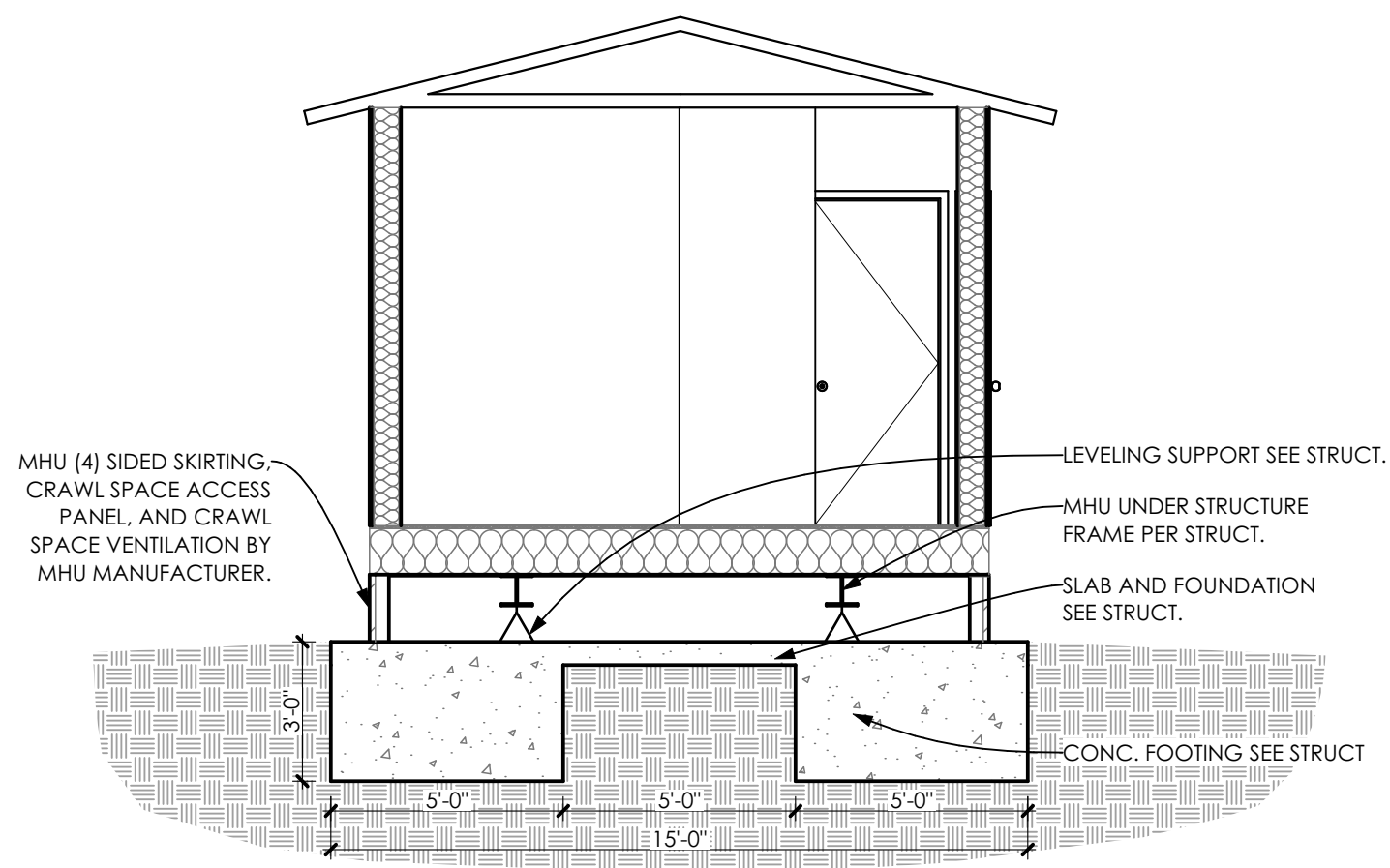
MYERS ANDERSON

Architectural Interior Design Historic Preservation

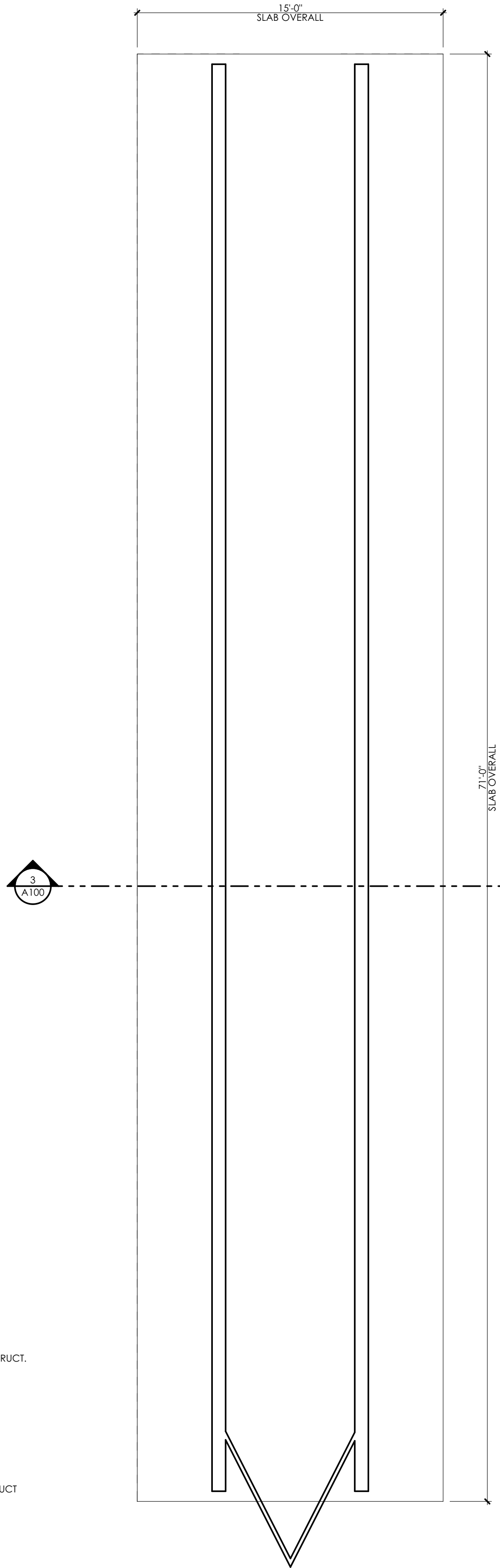
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Meridian, ID 83642
208-342-5400 www.nv5.com

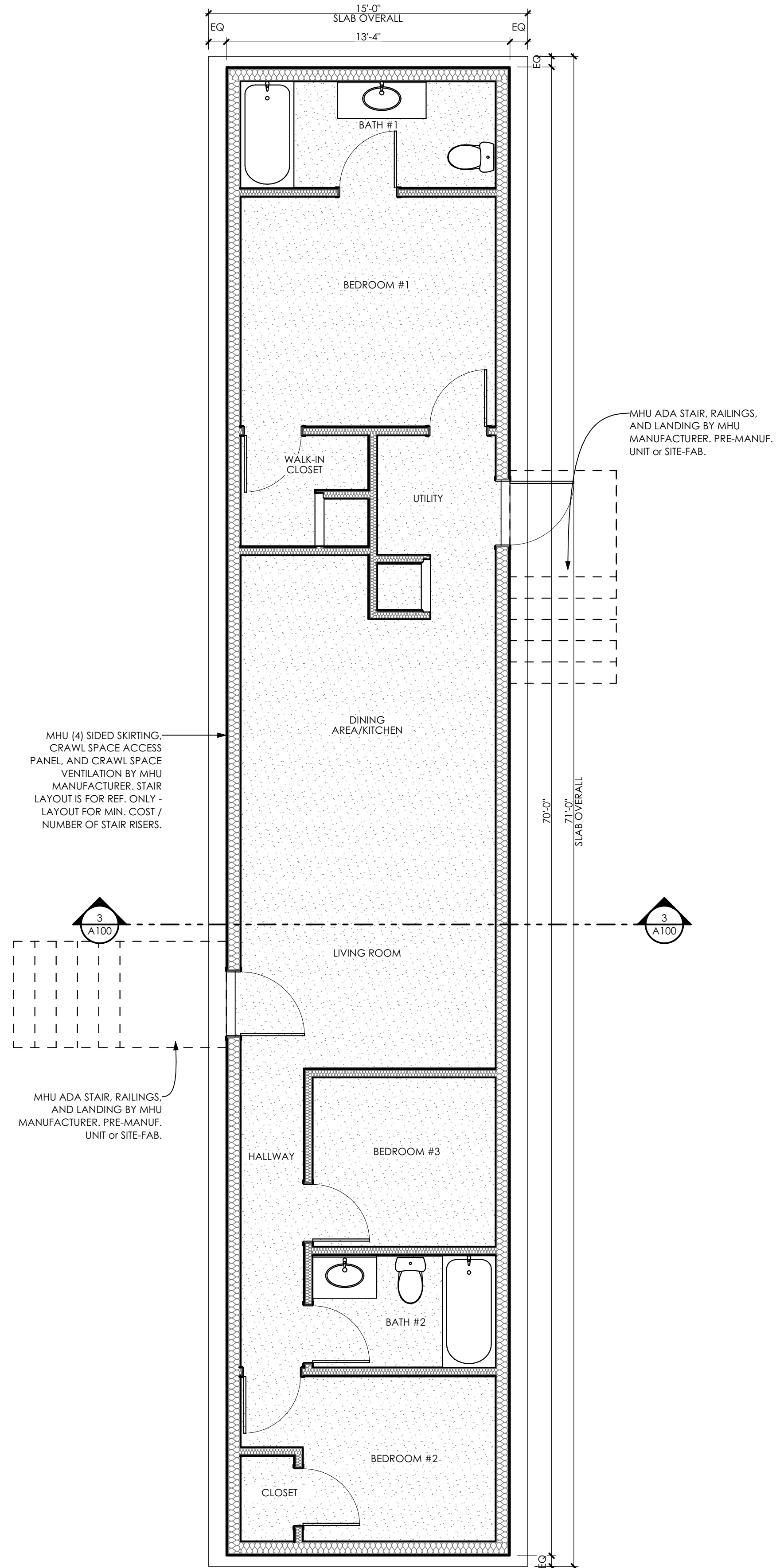
NV5



BUILDING SECTION A
3
A100
SCALE: 1/4" = 1'-0"



MHU UNDER STRUCTURE PLAN
2
A100
SCALE: 1/4" = 1'-0"



MHU FLOOR PLAN w/ PLUM & HVAC
1
A100
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

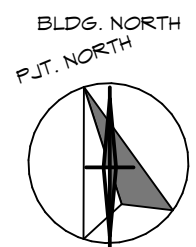
1. VERIFY MHU FINAL SIZE PRIOR TO SLAB INSTALLATION
2. SEE PLUMBING, AND ELECTRICAL SHEET FOR ALL MHU HOOKUP ITEMS



**ITD D6 ISLAND PARK
IP HOUSING
DEVELOPMENT
ISLAND PARK, ID**

**OVERALL FLOOR
PLANS**

PROJECT NORTH



DBS STAMP

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

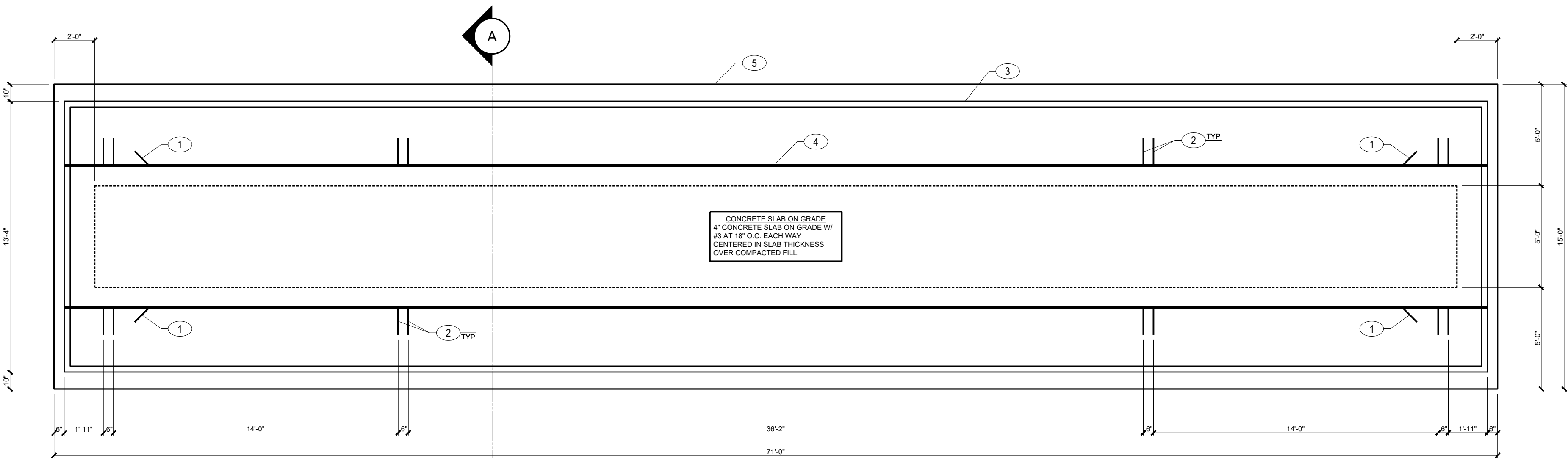
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REVISION DATE

CLIENT
PROJ.
NUMBER:
ARCH.
JOB
NUMBER: 23604
SHEET
ISSUED
DATE: MAY 2023

SHEET **A100**

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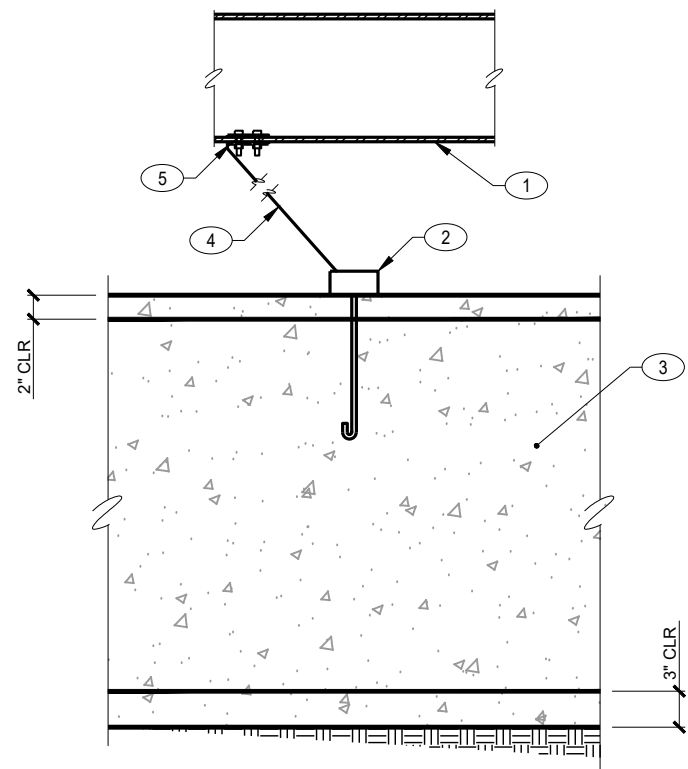


FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

KEYNOTES:

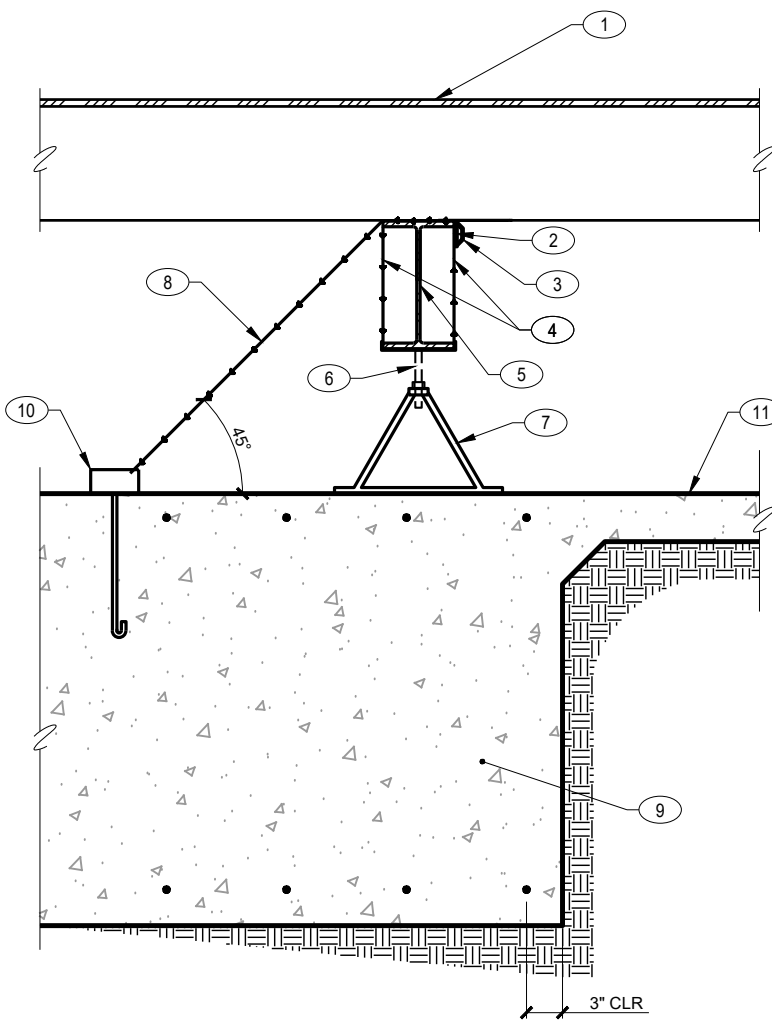
- MODULAR CHASSIS/FRAME
- TYP. M1J2-12 CONC. J. ANCHOR BY TIE-DOWN ENGINEERING, SEE FOUNDATION PLAN
- CONCRETE FOOTING W/ #5 AT 10" O.C. LONGITUDINAL AT THE TOP AND BOTTOM OF FOOTING
- TYPICAL STRAP
- LONGITUDINAL DEVICE



101 LONGITUDINAL HOLD DOWN N.T.S.

KEYNOTES:

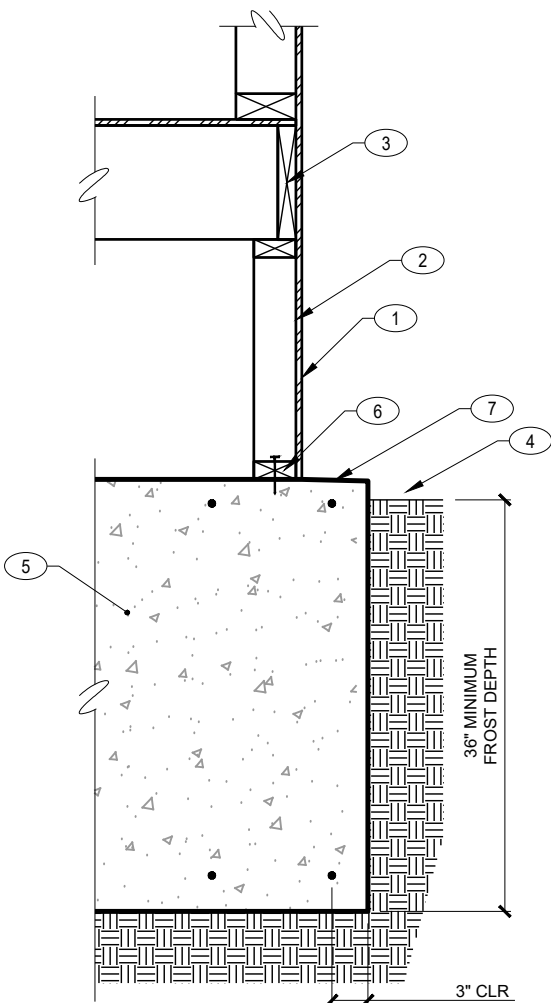
- MODULAR FLOOR JOIST ABOVE
- TIE DOWN BUCKLE OPPOSITE SIDE OF HOLD DOWN ANCHOR
- METAL HOLD DOWN STRAP THROUGH BUCKLE TWO TIMES
- METAL HOLD DOWN STRAP AROUND CHASSIS/FRAME
- MODULAR STEEL CHASSIS/FRAME
- MODULAR LEVELING SUPPORT JACK BEYOND
- MODULAR LEVELING SUPPORT JACKS BY ITD BUILDING SUPPLIER, 1'-0" FROM THE END @ 8'-0" O.C. MAX
- METAL HOLD DOWN STRAP DOWN TO HOLD ANCHOR
- CONCRETE FOOTING W/ #5 AT 10" O.C. LONGITUDINAL AT THE TOP AND BOTTOM OF FOOTING
- TYP. M1J2-12 CONC. J. ANCHOR BY TIE-DOWN ENGINEERING, SEE FOUNDATION PLAN
- CONCRETE SLAB ON GRADE, SEE PLAN



102 BUCKLE-IN STRAP N.T.S.

KEYNOTES:

- INSULATED WOOD SKIRTING, BY OTHERS
- WALL FRAMING BY OTHERS (MINIMUM: 2x4 DF-L #2 SOLID FRAMING @ EA. JAMB STUD OF THE EXTERIOR MODULAR BUILDING FOR ALL OPENINGS AND AT 16" O.C. REMAINDER)
- MODULAR BUILDING FRAMING BY OTHER
- FINISH GRADE PER ARCH
- CONCRETE FOOTING W/ #5 AT 10" O.C. LONGITUDINAL AT THE TOP AND BOTTOM OF FOOTING
- CONT 2x PT SOLE PLATE W/ ATTACHMENT BY OTHER
- SLOPE CONCRETE 1/4" PER FOOT AT EXPOSED CONCRETE EDGE



103 SKIRT WALL AT FOUNDATION N.T.S.

NOTE:

- A PRESERVATIVE TREAT AND WATERPROOF (PER ARCH) ANY WOOD FRAMING WITHIN 8" OF FINISH GRADE

CONCRETE:

1. MINIMUM 28 DAY CONCRETE STRENGTH SHALL BE AS FOLLOWS:

| USE: | CONCRETE STRENGTH: | MAX W/C RATIO | AIR ENTRAINMENT |
|------------|--------------------|---------------|-----------------|
| FOUNDATION | 4500 PSI | 0.45 | 5.5% ± 1% |

- ALL NORMAL WEIGHT CONCRETE SHALL BE REGULAR WEIGHT OF 150 POUNDS PER CUBIC FOOT USING HARD-ROCK AGGREGATES. AGGREGATE USED IN CONCRETE SHALL CONFORM TO ASTM C33.
- LAP SPLICES SHALL BE 12" FOR #3 BAR AND 24" FOR #5 BAR.
- MAXIMUM SLUMP FOR ALL CONCRETE SHALL BE 6". PORTLAND CEMENT SHALL CONFORM TO ASTM C150. TYPE V CEMENT SHALL BE USED FOR CONCRETE IN CONTACT WITH ALKALINE SOIL, AND TYPE II ELSEWHERE.
- NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT UNLESS APPROVED BY THE TESTING AGENCY.
- CONCRETE PLACEMENT AND QUALITY SHALL BE PER RECOMMENDATIONS IN ACI 614, ACI 301 AND ACI 318. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED. EXCEPT THAT SLABS ON GRADE NEED BE VIBRATED ONLY AROUND AND UNDER FLOOR DUCTS, ETC. CAST CLOSURE POUR, WHERE SHOWN ON PLANS AROUND COLUMNS AFTER COLUMN DEAD LOAD IS APPLIED. REMOVE ALL DEBRIS FROM FORMS BEFORE PLACING CONCRETE.

ALL ITEMS TO BE CAST IN CONCRETE SUCH AS REINFORCING, DOWELS, BOLTS, ANCHORS, PIPES, SLEEVES, ETC., SHALL BE SECURELY POSITIONED IN THE FORMS BEFORE PLACING THE CONCRETE.

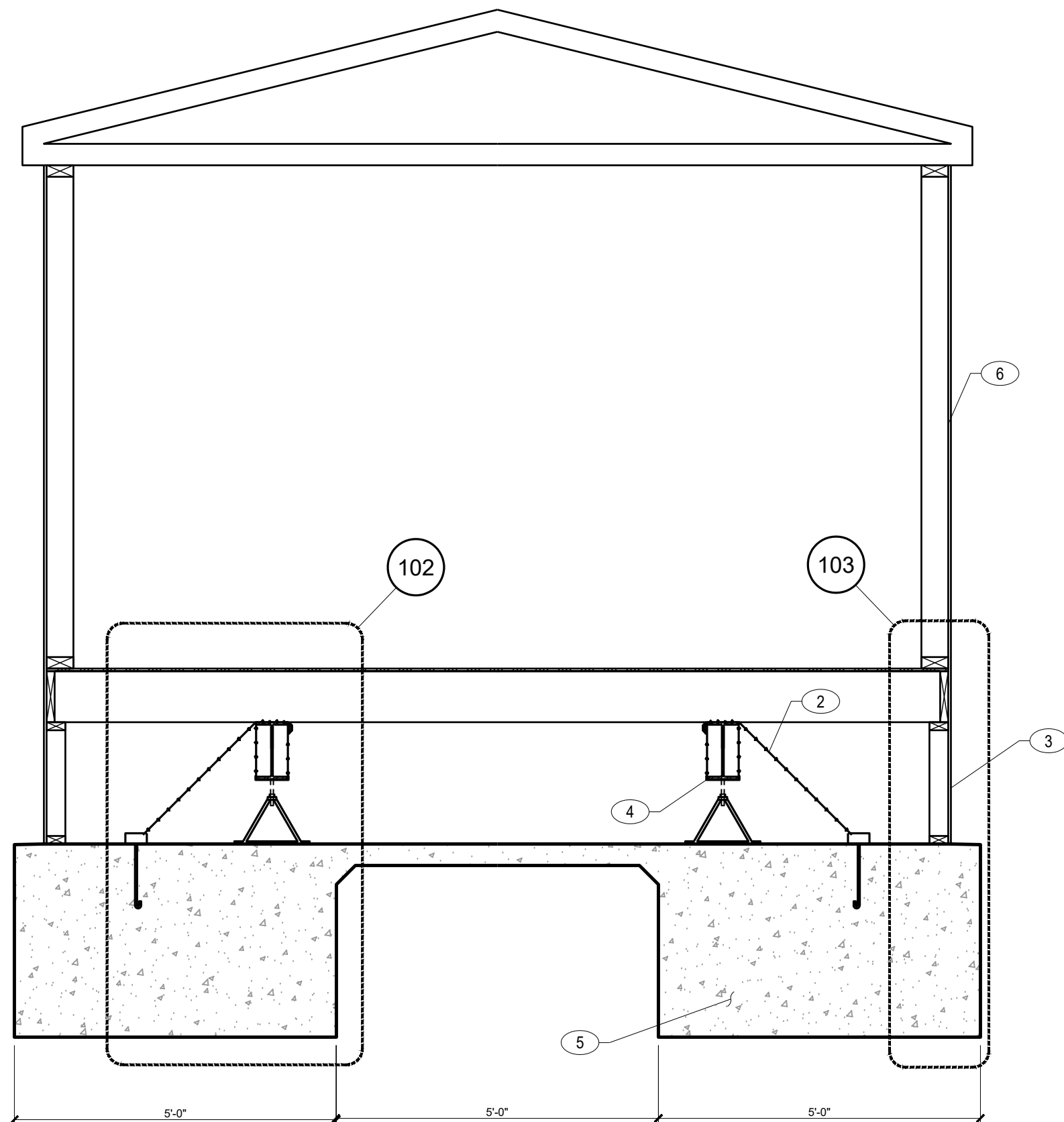
COLD/HOT WEATHER CONCRETE CONSTRUCTION: PROTECT CONCRETE FROM DAMAGE OR REDUCED STRENGTH IN COMPLIANCE WITH ACI 305 AND 306.

CONCRETE MIXES SHALL BE DESIGNED BY A CERTIFIED LABORATORY AND APPROVED BY THE STRUCTURAL ENGINEER.

LIMIT ALKALI-SILICA REACTION (ASR) TO 0.1% EXPANSION AT 28 DAYS IN CONCRETE MIX AT ALL EXTERIOR CONCRETE AND INTERIOR CONCRETE EXPOSED TO MOISTURE.

PLAN KEYNOTES

- LONGITUDINAL HOLD DOWN ANCHOR, SEE DETAIL 101
- TRANSVERSE HOLD DOWN ANCHOR, SEE DETAIL 102
- PERIMETER SKIRT WALL BY OTHERS, SEE DETAIL 103
- MODULAR CHASSIS/FRAME BEAM BY OTHER
- CONCRETE FOOTING, SEE DETAILS
- MODULAR BUILDING BY OTHER



A

BUILDING SECTION

1/2" = 1'0"

FOUNDATION PLAN NOTES

- VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS.
- THE DEPTH OF FOOTING DIMENSION INDICATED ON THE PLAN IS A MINIMUM. FOUNDATION CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO INSURE THAT THESE MINIMUMS ARE SUFFICIENT FOR THE WORK.
- WALLS WITH SOLID LINES DESIGNATED STRUCTURAL (BEARING) WALLS.
- STRUCTURE TO BE LEVELED AND MODULES FULLY SUPPORTED PRIOR TO THE INSTALLATION OF HOLD DOWNS. MODULAR UNITS W/ OUTRIGGERS EXTENDING PAST TRANSPORT RAIL IN EXCESS OF 30 INCHES SHALL BE SUPPORTED ALONG THE PERIMETER AT NOT MORE THAN 8'-0" O.C. SHIM AND BLOCK AS NECESSARY TO INTERFACE PIERS W/ FLOOR MEMBERS.
- LATERAL HOLD DOWNS SHALL BE TIE-DOWN ENGINEERING, INC. OR APPROVED EQUAL.
- ANCHOR SHALL BE INSTALLED AT THE LOCATION INDICATED ON THE DRAWINGS, WET SET INTO FLOWABLE FILL. THE ANCHOR HAS A MIN. ALLOWABLE HOLDING FORCE OF 3,150 POUNDS (WORKING STRESS) HORIZONTAL & VERTICAL. STABILIZER DEVICE REQ'D AT EACH ANCHOR.
- FOR SIDEWALK AND LANDING LOCATION, SEE ARCHITECTURAL DRAWINGS.
- THE SOIL DESIGN VALUE OF 1500 PSF HAS BEEN APPROVED BY THE CITY/COUNTY BUILDING DEPARTMENT, CONTINGENT THAT THE SOIL ON THE SITE PREDOMINATELY CONSISTS OF SAND AND/OR GRAVEL. SPECIFIC SOIL CLASSIFICATIONS SHOULD BE ONE OF THE FOLLOWING: SANDY GRAVEL OR GRAVEL(GW OR GP), SAND(SW AND SP), SILTY SAND(SM), CLAYEY SAND(SC), SILTY GRAVEL(GM), OR CLAYEY GRAVEL(GC). THESE SOIL CLASSIFICATIONS CAN BE FOUND IN TABLE 1806.2 OF CHAPTER 18 OF THE IBC. VERIFICATION OF SOIL CLASSIFICATION IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL FOUNDATIONS SHALL BEAR ON COMPACTED ENGINEERED FILL OR COMPETENT NATIVE SOIL SUBBASE COMPACTED TO 95% DRY DENSITY (STANDARD PROCTOR). GRADE IS DEFINED AS LOWEST ADJACENT GRADE WITHIN 5 FEET OF THE BUILDING FOR PERIMETER FOOTINGS. WHERE EXTERIOR PAVING OR CONCRETE IS DIRECTLY ADJACENT TO BUILDING, GRADE IS DEFINED AS TOP OF EXTERIOR PAVING AT LEAST 5 FEET FROM BUILDING. CONCRETE FOOTING EXCAVATIONS SHALL BE CLEAN AND FREE OF LOOSE DEBRIS OR UN-COMPACTED MATERIAL AT TIME OF CONCRETE PLACEMENT.
- CONCRETE SLABS ON GRADE SHALL BE SUPPORTED ON A 4 INCH (MIN) LAYER OF FREE-DRAINING GRANULAR MAT (DRAINAGE FILL COURSE). THE MAT SHOULD CONSIST OF A WELL GRADED SAND AND GRAVEL MIXTURE WITH MAXIMUM 3/4-INCH CRUSHED AGGREGATE. THE GRANULAR MAT SHOULD BE COMPACTED TO NO LESS THAN 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698.

PROJECT: ITD D6 ISLAND PARK HOUSING SITE DEVELOPMENT

ISLAND PARK, ID

FOUNDATION PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

REVISION DATE

DRAWN BY:

CHECKED BY:

JOB NUMBER: 23604

PROJECT DATE: 5/12/23

SHEET OF

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JOB NO.: IF23-200 PROJECT MANAGER: DBP CAD OPERATOR: ADH

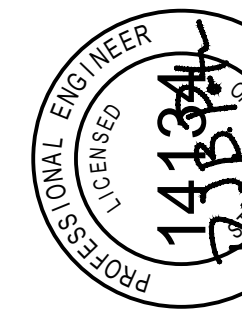
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Idaho Falls, ID 83401 fax: 208.227.8405
contact@frost-structural.com

S1.0

Myers ■ Anderson

• Architecture
• Interior Design
• Historic Preservation

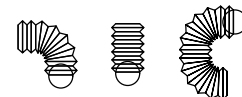
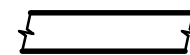


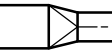
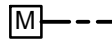

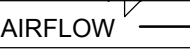
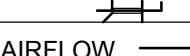









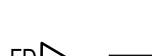


























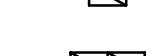




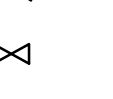
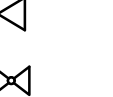
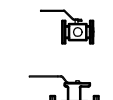
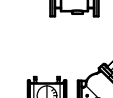
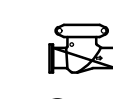
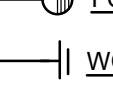
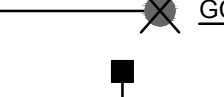
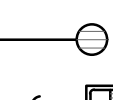
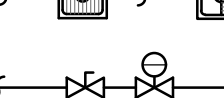


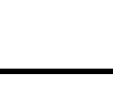
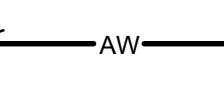
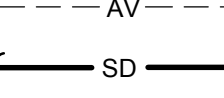
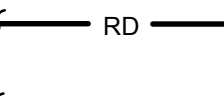
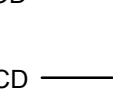
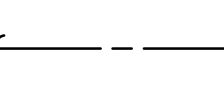
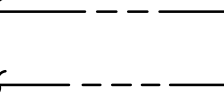
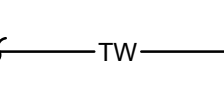
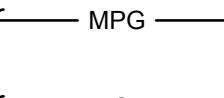
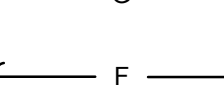
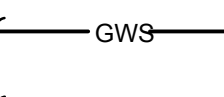
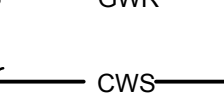
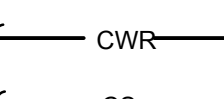
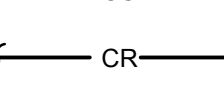
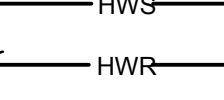
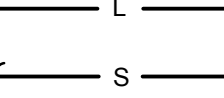
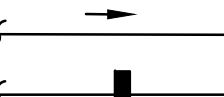
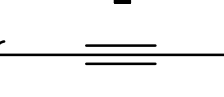
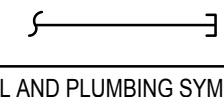
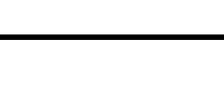




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ASLA NCARB ASLA

| MECHANICAL ABBREVIATIONS | | | |
|--------------------------|---|---------|---|
| A/C or AC | AIR CONDITIONING | KW | KILOWATT |
| AFF | ABOVE FINISHED FLOOR | KWH | KILOWATT HOUR |
| AHU | AIR HANDLING UNIT | | |
| ASHRAE | AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS | LAT | LEAVING AIR TEMPERATURE |
| | | LAV | LAVATORY |
| BTU | BRITISH THERMAL UNITS | LEED | LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN |
| BTUH | BTUS PER HOUR | LWT | LEAVING WATER TEMPERATURE |
| | | MAX | MAXIMUM |
| CA | COMBUSTION AIR | MCA | MINIMUM CIRCUIT AMPS |
| CC | COOLING COIL | MCCP | MAXIMUM OVERCURRENT PROTECTION |
| CFM | AIR FLOW RATE (CUBIC FEET PER MINUTE) | MIN | MINIMUM |
| CHWR | CHILLED WATER RETURN | NC | NOISE CRITERIA |
| CHWS | CHILLED WATER SUPPLY | NFPA | NATIONAL FIRE PROTECTION ASSOCIATION |
| CLG | CEILING | NTS | NOT TO SCALE |
| CW | COLD WATER | | |
| | | OSA | OUTSIDE AIR |
| DEG or ° | DEGREE | | |
| DIA or Ø | DIAMETER | PD | PRESSURE DROP |
| DB | DRY BULB | PH or Ø | PHASE |
| EA | EXHAUST AIR | PRV | PRESSURE REDUCING VALVE |
| EAT | ENTERING AIR TEMPERATURE | | |
| EER | ENERGY EFFICIENCY RATIO | RA | RETURN AIR |
| ESP | EXTERNAL STATIC PRESSURE | RPM | REVOLUTIONS PER MINUTE |
| EWT | ENTERING WATER TEMPERATURE | RTU | ROOF TOP UNIT |
| | | | |
| FCO | FLOOR CLEANOUT | SA | SUPPLY AIR |
| FD | FIRE DAMPER | SEER | SEASONAL ENERGY EFFICIENCY RATIO |
| FLA | FULL LOAD AMPS | SFD | COMBINATION SMOKE/FIRE DAMPER |
| FLR | FLOOR | SP | STATIC PRESSURE |
| FBM | FEET PER MINUTE | SYM | SYMBOL |
| FT | FEET | | |
| | | T & P | TEMPERATURE AND PRESSURE |
| GA | GAUGE | TEMP | TEMPERATURE |
| GGO | GRADE CLEANOUT | TYP | TYPICAL |
| GP | WATER FLOW RATE (GALLONS PER MINUTE) | | |
| | | UMC | UNIFORM MECHANICAL CODE |
| HC | HEATING COIL | UPC | UNIFORM PLUMBING CODE |
| HP | HORSE POWER | URL | URINAL |
| HVAC | HEATING, VENTILATING, AIR CONDITIONING | | |
| HW | HOT WATER | VTR | VENT THROUGH ROOF |
| HWR | HOT WATER RETURN | V | VOLTS |
| HWS | HOT WATER SUPPLY | | |
| | | W/ | WITH |
| IBC | INTERNATIONAL BUILDING CODE | WB | WET BULB |
| IEEC | INTERNATIONAL ENERGY CONSERVATION CODE | WC | WATER CLOSET |
| IFC | INTERNATIONAL FIRE CODE | WCO | WALL CLEANOUT |
| IFGC | INTERNATIONAL FUEL GAS CODE | WH | WATER HEATER |
| IMC | INTERNATIONAL MECHANICAL CODE | | |
| IPC | INTERNATIONAL PLUMBING CODE | | |
| | | | |
| NOTE: | THIS IS A STANDARD LIST OF COMMONLY USED MECHANICAL ABBREVIATIONS. SOME OF THE ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE. | | |

| MECHANICAL GENERAL NOTES | |
|--------------------------|---|
| 1. | ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE (IMC) LATEST EDITION, AND ALL LOCAL & STATE CODES. |
| 2. | ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST ADOPTED PLUMBING CODE, AND ALL LOCAL & STATE CODES. |
| 3. | ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. |
| 4. | MECHANICAL CONTRACTORS SHALL RECEIVE PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER BEFORE MAKING CUTS THROUGH ANY STRUCTURAL MEMBER. |
| 5. | MECHANICAL CONTRACTORS SHALL COORDINATE INSTALLATION WITH CONSTRUCTION SUPERVISOR AND WITH ALL OTHER TRADES TO AVOID CONFLICTS. |
| 6. | THE MECHANICAL CONTRACTORS SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWINGS BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS. |
| 7. | SEE MECHANICAL SCHEDULE SHEET FOR SCHEDULED CAPACITIES OF ALL MECHANICAL EQUIPMENT AND MATERIALS SPECIFIED. |
| 8. | DOMESTIC WATER SERVICE IS PROVIDED WITH A DOUBLE CHECK BACKFLOW PREVENTER. |
| 9. | ALL MECHANICAL EQUIPMENT TO BE PROPOSED MUST BE ON THE APPROVED LIST PRIOR TO SUBMITTALS. ALL APPROVED MANUFACTURERS MUST BE CAPABLE OF MEETING THE REQUIREMENTS OF THE SPECIFIED EQUIPMENT. |
| 10. | RUNOUT AND HOOKUP SIZES TO INDIVIDUAL PLUMBING FIXTURE CAN BE FOUND ON THE PLUMBING FIXTURE SCHEDULE. |
| 11. | PROVIDE REMOTE CEILING ACCESS BALANCE DAMPERS WITH CONCEALED CHROME PLATE COVERS FOR BALANCE DAMPERS LOCATED ABOVE HARD CEILINGS. |
| 12. | PAINT ALL VTR'S, FLUES, EXHAUST CAPS, AND OTHER MECHANICAL ITEMS ON THE ROOF TO MATCH THE ROOF COLOR. |
| 13. | INSULATED FLEXIBLE DUCTWORK MAY BE USED FOR RUNOUTS TO GRILLES AND DIFFUSERS, IN LENGTHS OF 6'-0" OR LESS. |
| 14. | MAINTAIN MINIMUM OF 10'-0" DISTANCE BETWEEN ALL FRESH AIR INTAKES AND EXHAUST OR GAS FLUE DISCHARGES. |
| 15. | THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL BACKFLOW DEVICES TO BE INSPECTED BY A CERTIFIED BACKFLOW TECHNICIAN BEFORE THE USE OF THE BUILDING POTABLE WATER SYSTEM. |
| 16. | LOCATE ACCESS HATCHES SO AS TO PROVIDE OPTIMUM SERVICEABILITY TO EQUIPMENT AND/OR VALVING. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND COLOR. COORDINATE LOCATION WITH STRUCTURAL & LIGHTING. |
| 17. | WHENEVER THERE IS A DISCREPANCY BETWEEN THE RUNOUT DUCT SIZE SHOWN ON THE PLANS AND THAT SHOWN IN THE SCHEDULE, ALWAYS USE THE LARGER OF THE TWO DUCT SIZES. |
| 18. | THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VERIFICATION OF EXISTING JOB CONDITIONS PRIOR TO BID. NO ADDITIONAL COST SHALL BE AWARDED TO THE SUCCESSFUL CONTRACTOR (OR THEIR SUBCONTRACTORS) AFTER BIDS HAVE BEEN SUBMITTED AND CONTRACTS AWARDED FOR FAILURE TO VERIFY EXISTING FIELD CONDITIONS. DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR ALTERNATIVE METHODS OF INSTALLATION PRIOR TO THE BIDDING OF THIS PROJECT. |
| 19. | UNLESS OTHERWISE NOTED ALL EXISTING MECHANICAL EQUIPMENT, PIPING, ETC. TO BE REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR UNDER THIS CONTRACT. THE OWNER SHALL RETAIN THE RIGHT TO KEEP ANY REMOVED ITEMS. |
| 20. | ALL DOMESTIC COLD AND HOT WATER LINES IN THE AREA OF WORK WHICH ARE NO LONGER IN USE DUE TO THIS PROJECT SHALL BE REMOVED BACK TO THE MAINS AND CAPPED. |
| 21. | HOLES IN EXISTING WALL OR FLOORS SHALL BE PATCHED TO MATCH EXISTING WHERE PIPING, DUCTWORK, ETC. WERE REMOVED OR ADDED DURING THIS PROJECT. |
| 22. | DAMAGE TO THE EXISTING FACILITY DURING THE CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. |

| MECHANICAL AND PLUMBING DRAWINGS LEGEND | |
|---|---|
|  | FLEXIBLE DUCTWORK |
|  | DUCTWORK |
|  | DUCTWORK BREAK |
|  | DUCTWORK OR PIPING RISE |
|  | CONCENTRIC SQUARE TO ROUND TRANSITION |
|  | MOTORIZED DAMPER |
|  | MANUAL VOLUME DAMPER |
|  | SPIN-IN FITTING W/ AIR EXTRACTOR AND HAND DAMPER |
|  | HIGH EFFICIENCY FITTING W/ HAND DAMPER |
|  | SWITCH |
|  | THERMOSTAT |
|  | HUMIDISTAT |
|  | TEMPERATURE SENSOR |
|  | CARBON DIOXIDE SENSOR |
|  | CARBON MONOXIDE SENSOR |
|  | NITROGEN DIOXIDE SENSOR |
|  | DUCT SMOKE DETECTOR |
|  | COMBINATION SMOKE/FIRE DAMPER |
|  | FIRE DAMPER |
|  | SMOKE DAMPER |
|  | EQUIPMENT CALLOUT |
|  | TURNING VANES |
|  | INTAKE OR EXHAUST |
|  | DIRECTION OF AIRFLOW |
|  | SUPPLY DIFFUSER |
|  | RETURN GRILLE |
|  | EXHAUST GRILLE |
|  | FLOOR GRILLE |
|  | CEILING EXHAUST FAN |
|  | TEMPERATURE GAUGE |
|  | PRESSURE GAUGE (LIQUID FILLED W/ ISOLATION VALVE) |
|  | TEMPERATURE SENSOR (DUCT OR PIPING) |
|  | FLOW SWITCH |
|  | STAINLESS STEEL BRAIDED FLEX CONNECTION |
|  | ELASTOMETRIC FLEX CONNECTOR |
|  | SUCTION DIFFUSER |
|  | Y TYPE STRAINER (1 1/2" OR LARGER PROVIDED W/ BLOW DOWN VALVE) |
|  | FLOW DIRECTION |
|  | DEMOLITION / EQUIPMENT TO BE REMOVED |
|  | NEW TO EXISTING CONNECTION POINT |
|  | EXISTING |
|  | FUTURE |
|  | NEW |
|  | REDUCED PRESSURE BACKFLOW PREVENTER |
|  | DOUBLE CHECK BACKFLOW PREVENTER |
|  | UNION |
|  | AIR VENT |
|  | TRIPLE DUTY VALVE |
|  | THREE WAY CONTROL VALVE |
|  | TWO WAY CONTROL VALVE |
|  | PRESSURE REDUCING VALVE |
|  | GATE VALVE |
|  | REDUCER |
|  | GLOBE VALVE |
|  | BALL VALVE |
|  | BUTTERFLY VALVE |
|  | BALANCE VALVE |
|  | CHECK VALVE |
|  | FLOOR CLEANOUT |
|  | WALL CLEANOUT |
|  | GRADE CLEANOUT |
|  | WATER HAMMER ARRESTOR |
|  | FLOOR DRAIN |
|  | FLOOR SINK |
|  | GAS PRESSURE REGULATOR W/ GAS COCK |
|  | PRESSURE RELIEF VALVE |
|  | VENT-THROUGH-ROOF |
|  | VENT |
|  | SOIL, WASTE, OR SANITARY SEWER |
|  | ACID WASTE LINE |
|  | ACID VENT LINE |
|  | STORM DRAIN |
|  | ROOF DRAIN LINE |
|  | OVERFLOW DRAIN LINE |
|  | CONDENSATE DRAIN LINE |
|  | DOMESTIC COLD WATER (CW) |
|  | DOMESTIC HOT WATER (HW) |
|  | DOMESTIC HOT WATER RETURN (HWR) |
|  | TEMPERED WATER (TW) |
|  | MEDIUM PRESSURE NATURAL GAS |
|  | LOW PRESSURE NATURAL GAS |
|  | FIRE SPRINKLER LINE |
|  | GEOTHERMAL WATER SUPPLY |
| | GEOTHERMAL WATER RETURN |
| | CHILLED WATER SUPPLY |
| | CHILLED WATER RETURN |
| | CONDENSER WATER SUPPLY |
| | CONDENSER WATER RETURN |
| | HEATING WATER SUPPLY |
| | HEATING WATER RETURN |
| | LIQUID REFRIGERANT LINE |
| | SUCTION REFRIGERANT LINE |
| | SLOPE PIPE IN DIRECTION OF ARROW |
| | PIPE ANCHOR |
| | PIPE GUIDE |
| | CAP |
| NOTE: | THIS IS A LIST OF COMMONLY USED MECHANICAL AND PLUMBING SYMBOLS. SOME OF THE SYMBOLS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE. |

| ENERGY CODE COMPLIANCE | |
|------------------------|--|
| A. | COMPLIANCE WITH THE LATEST ADOPTED EDITION OF THE INTERNATIONAL ENERGY CONSERVATION CODE IS REQUIRED FOR THIS PROJECT. THESE NOTES COVER MANDATORY REQUIREMENTS OF THE CODE. ADDITIONAL REQUIREMENTS ARE NOTED ON THE DRAWINGS AND IN THE SPECIFICATIONS. |
| B. | MINIMUM REQUIREMENTS FOR SUPPLY AND RETURN DUCTWORK INSULATION: 1. R-6: DUCTS LOCATED IN UNCONDITIONED SPACES (SPACE NEITHER HEATED NOR COOLED SUCH AS ABOVE CEILING SPACES, WALL SPACES, DUCT CHASES, SOFFITS, ATTICS, CRAWL SPACES, UNHEATED BASEMENTS, AND UNHEATED GARAGES). 2. R-12: DUCTS LOCATED OUTSIDE OF THE BUILDING'S INSULATION ENVELOPE (SUCH AS ABOVE THE ATTIC INSULATION). TYPICAL INSULATION THICKNESS REQUIRED TO MEET THESE REQUIREMENTS: 1. DUCT WRAP: R-6 = 1-1/2" R-12 = 4" 2. DUCT LINER: R-6 = 1-1/2" R-12 = 3" |
| C. | CONTRACTOR SHALL VERIFY WITH THE MANUFACTURER, THE R-VALUES OF THE ACTUAL INSULATION USED. R-VALUES SHALL BE INSTALLED VALUES. |
| D. | WHERE DUCTS USED FOR COOLING ARE EXTERNALLY INSULATED, THE INSULATION SHALL BE COVERED WITH A VAPOR RETARDER HAVING A MAXIMUM PERMEANCE OF 0.05 PERM OR ALUMINUM FOIL HAVING A MINIMUM THICKNESS OF 2 MILS. INSULATION HAVING A PERMEANCE OF 0.05 PERMS OR LESS SHALL NOT BE REQUIRED TO BE COVERED. ALL JOINTS AND SEAMS SHALL BE SEALED TO MAINTAIN THE CONTINUITY OF THE VAPOR RETARDER. |
| E. | ALL DUCT JOINTS, SEAMS, AND CONNECTIONS SHALL BE FASTENED AND SEALED WITH WELDS, GASKETS, ADHESIVES, MASTIC-PLUS-EMBEDDED-FABRIC SYSTEMS, OR TAPES. TAPES AND MASTICS SHALL BE LISTED AND LABELED PER UL181A OR UL181B. DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY METAL DUCTS. DUCT CONNECTIONS TO FLANGES OR EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED. |
| G. | DOMESTIC HOT WATER PIPING SYSTEMS SHALL BE INSULATED WITH 1" INSULATION HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU-INCH/HOUR-FT2-°F. |
| H. | DOMESTIC WATER HEATERS WHICH ARE NOT PROVIDED WITH INTEGRAL HEAT TRAPS AND SERVE NONCIRCULATING SYSTEMS SHALL BE PROVIDED WITH HEAT TRAPS ON THE SUPPLY AND DISCHARGE PIPING AT THE WATER HEATER. |
| I. | DOMESTIC HOT WATER SYSTEMS WITH RECIRCULATION PUMPS OR ELECTRIC HEAT TRACE SHALL BE CONTROLLED WITH 7-DAY TIME CLOCKS. |
| J. | AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY. THE O&M MANUAL SHALL CONTAIN THE FOLLOWING INFORMATION AS A MINIMUM: 1. EQUIPMENT CAPACITY (INPUT & OUTPUT). 2. EQUIPMENT OPERATING AND MAINTENANCE INSTRUCTIONS. 3. CONTROL SYSTEM MAINTENANCE AND CALIBRATION INFORMATION, INCLUDING WIRING DIAGRAMS, SCHEMATICS, AND CONTROL SEQUENCES. 4. CONTROL SYSTEM SETPOINTS SHALL BE SHOWN ON CONTROL DRAWINGS, AT CONTROL DEVICES, OR IN PROGRAMMING COMMENT ON DDC SYSTEMS. 5. A COMPLETE WRITTEN NARRATIVE ON HOW EACH MECHANICAL SYSTEM IS INTENDED TO OPERATE. |



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LICENSED
13789
5/15/2023
STATE OF IDAHO
TODD NELSON

A/SID
A/A NCARB

PROJECT NAME:
ITD D6 IRWIN HOUSING SITE DEVELOPMENT

ISLAND PARK, ID

SHEET TITLE:
MECHANICAL PLANS

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN or IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS or SPECIFICATIONS

REVISIONDATE

CLIENT PROJ. NUMBER:
ARCH. JOB NUMBER: 23604
SHEET ISSUED DATE:
SHEET **P0.0**



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KEYED NOTES:

SYMBOL USED FOR NOTE CALLOUT.

1.

CONTRACTOR TO INSTALL 1" WATER LINE - SEE CIVIL FOR CONNECTION POINT. CONTRACTOR SHALL FOLLOW INSTALLATION INSTRUCTION AS OUTLINED IN BUILDING MANUAL, INCLUDING: FLUSHING / CLEANING THE THREADS / CONFIRMING THE INLET PRESSURE IS BELOW 80 PSI (IF ABOVE 80 PSI, THEN A PRESSURE REDUCING STATION WILL BE REQUIRED) / CONNECTING THE MAIN BUILDING'S ISOLATION VALVE IN ACCESSIBLE LOCATION WITH SIGN / AND FINALIZING ALL REQUIRED TESTS - HYDROSTATIC TEST IS PREFERRED. DO NOT INSTALL HOSE BIBB ON THIS BUILDING.
2.

IT SHOULD BE NOTED THAT THE SECTION OF WATER PIPING FROM BELOW GROUND FROST LINE TO THE FACTORY PROVIDED CONNECTION POINT AND THE SECTION OF WATER PIPING STILL EXPOSED IN THE CRAWL SPACE SHALL BE HEAT TRACED BY THE ELECTRICAL CONTRACTOR AND THEN INSULATED BY THE PLUMBING CONTRACTOR. COORDINATE THIS PIPE FREEZING PREVENTION WORK SCOPE WITH ELECTRICAL CONTRACTOR.
3.

ALL INTERNAL HVAC IS PROVIDED BY BUILDING MANUFACTURER. NO ADDITIONAL HVAC WORK SCOPE IS REQUIRED.
4.

THIS BUILDING IS "ALL ELECTRIC." NO GAS PIPING IS REQUIRED.
5.

ALL INTERNAL PIPING IS PROVIDED BY BUILDING MANUFACTURER. NO ADDITIONAL PLUMBING WORK SCOPE IS REQUIRED.
6.

CONNECT 4" WASTE LINE TO WASTE LINE OUT TO DRAIN FIELD. CONTRACTOR TO VERIFY EXACT LOCATION.

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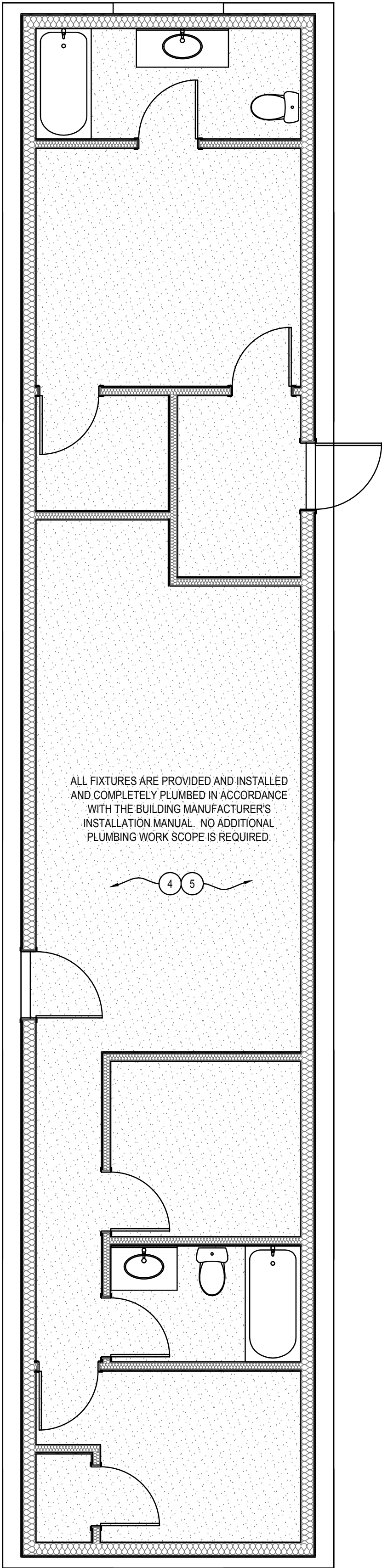
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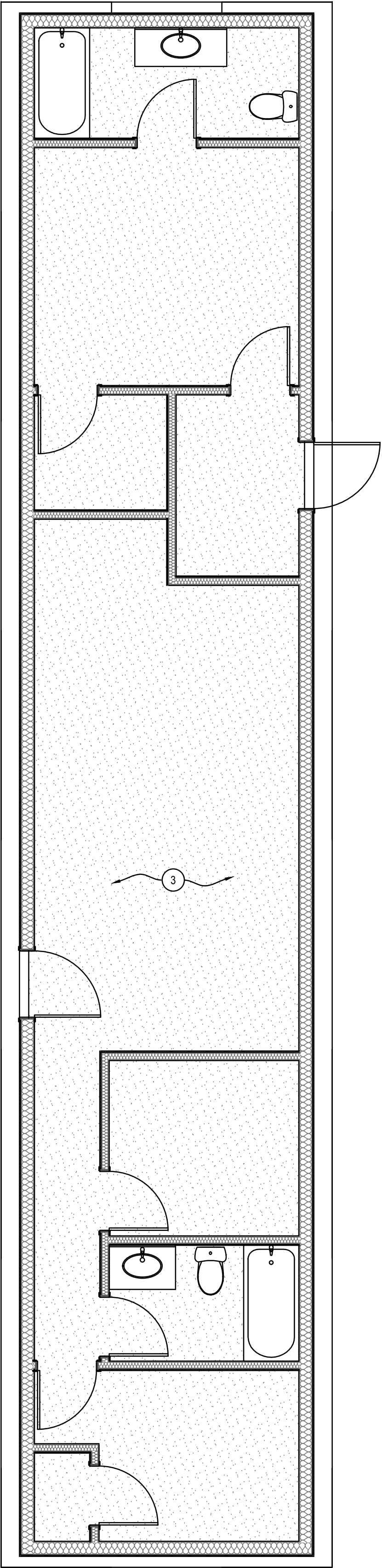
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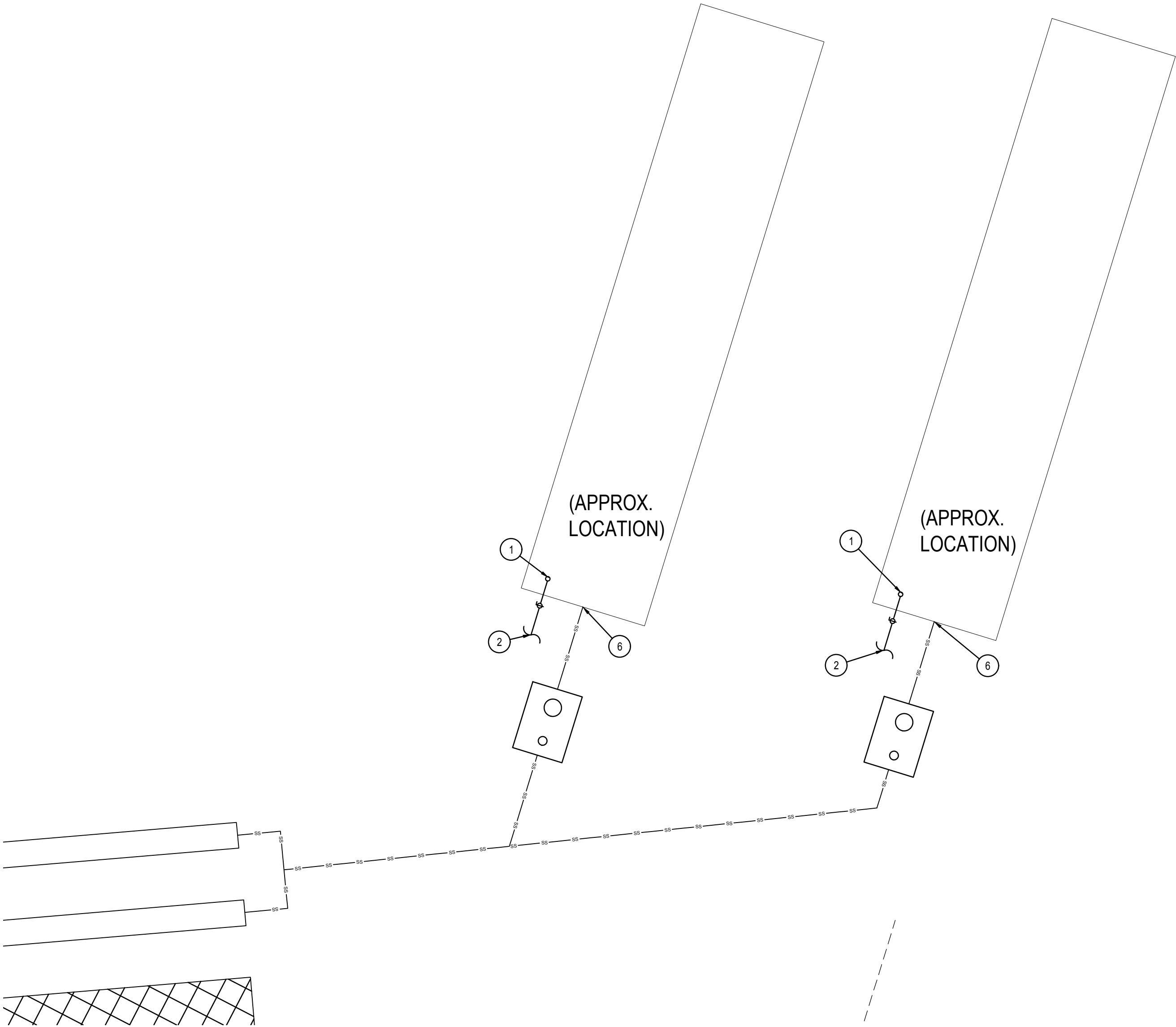
SHEET P1.0



PLUMBING PLAN
1/4"=1'



HVAC PLAN
1/4"=1'



MECHANICAL NEW SITE PLAN
1"=10'

ELECTRICAL LEGEND - LIGHTING

| | |
|--|---|
| REFERENCE FIXTURE SCHEDULE FOR MOUNTING TYPE, MOUNTING HEIGHT, AND FIXTURE TYPE. | |
| | DOUBLE FACE EXIT SIGN, CEILING MOUNTED, PROVIDE UNSWITCHED CONDUCTOR. |
| | WALL MOUNTED DOUBLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO. |
| | SINGLE FACE EXIT SIGN, CEILING MOUNTED PROVIDE UNSWITCHED CONDUCTOR. |
| | WALL MOUNTED SINGLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO. |
| | ARROW INDICATES DIRECTION TO BE SHOWN ON SIGN. |
| | 1X1' LIGHT FIXTURE. |
| | 1X1' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR. |
| | TRACK LIGHT |
| | 1'X4' LIGHT FIXTURE. |
| | 1'X4' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR. |
| | 2'X4' LIGHT FIXTURE. |
| | 2'X4' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR. |
| | 2'X2' LIGHT FIXTURE. |
| | 2'X2' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR. |
| | DIRECT/INDIRECT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. |
| | DIRECT/INDIRECT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR |
| | STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. |
| | STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR |
| | WALL MOUNTED LIGHT FIXTURE. |
| | WALL MOUNTED LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR. |
| | RECESSED LIGHT FIXTURE |
| | RECESSED LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR. |
| | ROUND LIGHT FIXTURE |
| | ROUND EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR. |
| | WALL MOUNTED LIGHT FIXTURE. |
| | WALL MOUNTED EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR. |
| | POLE LIGHT 1 HEAD WITH POLE |
| | TIME CLOCK |
| | PHOTO CONTROL CELL LOCATED 12" ABOVE ROOF FACING NORTH. |
| | OCCUPANCY SENSOR. PROVIDE RELAYS AND POWER PACKS AS REQUIRED. |
| | LED DRIVER |
| | EMERGENCY EGRESS LIGHTING WITH OUT FIXTURE HEADS. CONNECT TO AN UNSWITCHED CONDUCTOR. |
| | EMERGENCY EGRESS LIGHTING. CONNECT TO AN UNSWITCHED CONDUCTOR. |
| | WALL MOUNTED SINGLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO. |
| | CEILING MOUNTED. SINGLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR. |
| | CEILING MOUNTED. DOUBLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR. |
| | INDICATES FIXTURE TYPE. REFER TO FIXTURE SCHEDULE. |
| | EXTERIOR WALL PACK |
| | EMERGENCY EXTERIOR WALL PACK. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR |

DEVICES

| | |
|--|--|
| | SWITCH, TYPE AS INDICATED. +46" AFF |
| | DOUBLE POLE |
| | 3-WAY |
| | 4-WAY |
| | KEYED |
| | PILOT LIGHT |
| | DIMMER |
| | HORSEPOWER RATED |
| | THERMAL OVERLOAD |
| | LOW VOLTAGE |
| | OCCUPANCY SENSOR |
| | LOW VOLTAGE, MOMENTARY OVERRIDE |
| | VACANCY SENSOR |
| | SUPERSCRIPT INDICATES LIGHTS TO BE SWITCHED TOGETHER |
| | DUAL LEVEL SWITCHING. INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY. |
| | DUAL LEVEL SWITCHING WITH OCCUPANCY SENSOR, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY. |
| | OCCUPANCY SENSOR WITH MANUAL DIMMING, SET FOR 50% AUTOMATIC ON, AUTOMATIC OFF, WITH MANUAL DIMMING. |
| | SINGLE CONVENIENCE OUTLET, +18" AFF UNO |
| | FLOOR MOUNT SINGLE CONVENIENCE OUTLET |
| | DUPLEX CONVENIENCE OUTLET, +18" AFF UNO |
| | FLOOR MOUNT DUPLEX CONVENIENCE OUTLET |
| | EMERGENCY DUPLEX CONVENIENCE OUTLET, +18" AFF UNO |
| | SWITCHED DUPLEX CONVENIENCE OUTLET, +18" AFF UNO |
| | FLOOR MOUNTED SWITCHED DUPLEX CONVENIENCE OUTLET |
| | USB DUPLEX CONVENIENCE OUTLET, +18" AFF UNO |
| | USB FOURPLEX CONVENIENCE OUTLET, +18" AFF UNO |
| | FOURPLEX CONVENIENCE OUTLET. +18" AFF UNO |
| | FLOOR MOUNT FOURPLEX CONVENIENCE OUTLET |
| | CONNECTION POINT TO EQUIPMENT SPECIFIED, ELECTRICAL CONTRACTOR TO SUPPLY RACEWAY AND CONDUCTORS AND MAKE FINAL CONNECTION TO EQUIPMENT UNDER THIS SECTION. UNO |
| | FLOOR MOUNTED CONNECTION POINT, SEE NOTE ABOVE FOR REQUIREMENTS |
| | FLOOR MOUNTED JUNCTION BOX |
| | JUNCTION BOX |
| | WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO |
| | WALL MOUNTED PUSH BUTTON, HANDICAPPED MOUNT AT SWITCH HEIGHT UNO |
| | WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO |
| | MOTOR STARTER/CONTACTOR, SIZE/POLES NEMA 1 UNO AS INDICATED |
| | COMBINATION STARTER AND DISCONNECT, SIZE/POLES, STARTER SIZE AS INDICATED, NEMA 1 UNO |
| | FUSED DISCONNECT SWITCH, SIZE/POLES, FUSE SIZES AS INDICATED, NEMA 1 UNO |
| | NON-FUSED DISCONNECT SIZE/ POLES AS INDICATED, NEMA 1 UNO |
| | THERMOSTAT. +46" AFF PROVIDE CONDUIT, J-BOX, CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS. UNO COORDINATE WITH DIVISION 15. |
| | HUMIDISTAT. +46" AFF PROVIDE CONDUIT, J-BOX, CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS. |
| | POWER POLE - DUAL CHANNEL |
| | RECESSED ENTERTAINMENT BOX |
| | TRANSFORMER |
| | PANELBOARD. SEE SCHEDULE FOR TYPE. |
| | EQUIPMENT CABINET, SURFACE MOUNTED |
| | EQUIPMENT CABINET FLUSH MOUNTED |
| | SURFACE MULTI-OUTLET RACEWAY |
| | MECHANICAL EQUIPMENT CALL OUT |
| | KITCHEN EQUIPMENT CALLOUT |

ONE LINE

| | |
|--|--|
| | DELTA WYE TRANSFORMER UNO |
| | PANEL BOARD, SEE SCHEDULE FOR TYPE AND SIZE |
| | CIRCUIT BREAKER, SIZE AND POLES INDICATED |
| | FUSE, SIZE AND TYPE INDICATED, PROVIDE FUSE FOR EACH POLE |
| | INTERRUPTER SWITCH, SIZE AND POLES INDICATED |
| | FUSED SWITCH, SIZE/POLES AND FUSE SIZE INDICATED |
| | DRAW OUT CIRCUIT BREAKER, SIZE AND POLES INDICATED |
| | INDIVIDUAL BREAKER WITH SHUNT TRIP, SIZE AND POLES INDICATED. NEMA 1 UNO |
| | INDIVIDUAL BREAKER, SIZE AND POLES INDICATED, NEMA 1 UNO |
| | GROUND FAULT PROTECTION |
| | TRANSIENT VOLTAGE SURGE SUPPRESSION |
| | ADJUSTABLE BREAKER SETTINGS (PER SPECIFICATIONS): 'L'-LONG TIME 'S'-SHORT TIME 'I'-INSTANTANEOUS 'G'-GROUND FAULT 'R'-ENERGY REDUCING MAINTENANCE SWITCH W/STATUS INDICATOR |
| | GROUND |
| | SHUNT TRIP COIL |
| | MOTOR |
| | DISCONNECT SWITCH, SIZE AND POLES INDICATED. NEMA 1 UNO |
| | OVERHEAD SERVICE DROP |
| | GENERATOR SET, MAIN BREAKER SIZE INDICATED |
| | AUTOMATIC TRANSFER SWITCH (ATS) |
| | METER AND BASE |
| | NEUTRAL |
| | DRY TYPE TRANSFORMER |
| | PAD MOUNT TRANSFORMER |

ELECTRICAL ABBREVIATIONS

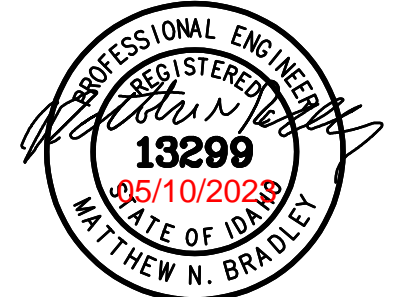
| | |
|----------------------|---|
| A | AMPERES |
| AC | 6" ABOVE BACKSPASH |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| AF | AMP FRAME |
| AIC | AMPS INTERRUPTING CAPACITY |
| AT | AMP TRIP |
| ATS | AUTOMATIC TRANSFER SWITCH |
| AWG | AMERICAN WIRE GAUGE |
| BD | BOTTOM OF DECK |
| BS | BOTTOM OF STRUCTURE |
| C | CEILING MOUNTED |
| CB | CIRCUIT BREAKER |
| CF | COMPACT FLUORESCENT |
| CKT | CIRCUIT |
| CO | CONDUIT ONLY, PROVIDE PULL-LINE |
| CT | CURRENT TRANSFORMER |
| CTL | CONTROL |
| DC | DIRECT CURRENT |
| (D) | DEMOLITION |
| DEMO | DEMOLITION |
| DET | DETAIL |
| DTT | DOUBLE TWIN TUBE |
| E | EMERGENCY |
| (E) | EXISTING |
| EC | ELECTRICAL CONTRACTOR |
| EL | EMERGENCY LIGHT |
| F | FUSE |
| (F) | FUTURE |
| FACP | FIRE ALARM CONTROL PANEL |
| G/GND | GROUND |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER |
| GFI | GROUND FAULT INTERRUPTER |
| HH | HAND HOLE |
| HD | HIGH INTENSITY DISCHARGE |
| HOA | HAND-OFF-AUTO |
| HPS | HIGH PRESSURE SODIUM |
| HVAC | HEATING, VENTILATION, & AIR CONDITIONING |
| IG | ISOLATED GROUND |
| IPCO | IDAHO POWER COMPANY |
| J-BOX | JUNCTION BOX |
| KA | KILOAMP |
| KVA | KILO VOLT-AMP |
| KW | KILOWATT |
| KWH | KILOWATT HOUR |
| LCP | LIGHTING CONTROL PANEL |
| MB | MAIN BREAKER |
| MBR | MAIN CIRCUIT BREAKER |
| MCC | MOTOR CONTROL CENTER |
| MDP | MAIN DISTRIBUTION PANEL |
| MLO | MAIN LUGS ONLY |
| MMC | MODULAR METERING CENTER |
| MH | METAL HALIDE |
| MSB | MAIN SWITCH BOARD |
| MTG | MOUNTING |
| N | NEUTRAL |
| (N) | NEW |
| NC | NORMALLY CLOSED |
| NEC | NATIONAL ELECTRICAL CODE |
| NIC | NOT IN CONTRACT |
| NL | NIGHT LIGHT |
| NO | NORMALLY OPEN |
| NTS | NOT TO SCALE |
| OH | OVERHEAD |
| OS | OCCUPANCY SENSOR |
| P | POLES |
| PC | PHOTO-CONTROL |
| PVC | POLYVINYL CHLORIDE |
| PWR | POWER |
| RE | REFERENCE |
| REC | RECEPTACLE |
| (R) | RELOCATED |
| SF | SQUARE FEET |
| TBD | TO BE DETERMINED |
| TDR | TIME DELAY RELAY |
| TK | TOE KICK |
| TSP | TWISTED SHIELDED PAIR |
| TRT | TRIPLE TUBE |
| TTB | TELEPHONE TERMINAL BOARD |
| (TYP.) | TYPICAL |
| UC | UNDERCABINET |
| UG | UNDERGROUND |
| U.N.O. | UNLESS NOTED OTHERWISE |
| V | VOLT |
| VA | VOLT-AMPERE |
| W | WATT |
| WG | WIRE GUARD |
| WP | WEATHER PROOF/NEMA 3R |
| PROVIDED/ PROVIDE BY | PROVIDE AND INSTALL. / PROVIDED AND |
| INSTALLED/ INSTALL | INSTALLED BY / PROVIDED AND INSTALL |
| NOTE: | THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL ABBREVIATIONS. SOME OF THE ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE. |

ELECTRICAL SPECIFICATIONS

- A. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE LOCALLY ADOPTED ELECTRICAL CODE, ALL LOCAL CODES, AND TO THE FULL ACCEPTANCE OF THE AUTHORITY HAVING JURISDICTION.
- B. OBTAIN ALL PERMITS, COORDINATE, FURNISH, INSTALL, CONNECT AND TEST ALL ELECTRICAL EQUIPMENT REQUIRED FOR ALL THE SYSTEMS INSTALLED UNDER THIS CONTRACT TO INSURE COMPLETE AND FULLY OPERATIONAL SYSTEMS.
- C. CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF AS-BUILT DRAWINGS. AS-BUILT SET OF DRAWINGS SHALL BE UPDATED DAILY AND SHALL DOCUMENT THE ACTUAL INSTALLED CONDITION OF THE ENTIRE ELECTRICAL INSTALLATION. AS-BUILT SET OF DRAWINGS SHALL BE AVAILABLE AT ALL TIMES ON THE SITE FOR INSPECTION BY CODE OFFICIALS, OWNER, ARCHITECT, AND ENGINEER.
- D. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION.
- E. DESIGN IS BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO THE SCOPE OF WORK AS SHOWN ON THESE PLANS.
- F. COORDINATE ALL ELECTRICAL WORK WITH ALL OTHER TRADES.
- G. COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL ELECTRICAL EQUIPMENT AND DEVICES WITH THE ARCHITECTURAL ELEVATIONS AND DETAILS PRIOR TO ROUGH-IN.
- H. DEMOLITION WORK IS A PART OF THIS PROJECT. SEE DRAWINGS FOR EXISTING ELECTRICAL DEVICES TO BE REMOVED. REMOVE ASSOCIATED BOXES, RACEWAYS AND CONDUCTORS BACK TO SOURCE, AND MAKE SAFE.
- I. ALL MATERIALS AND EQUIPMENT FURNISHED TO THE PROJECT SHALL BE NEW AND SHALL BEAR THE LISTING LABEL OF A NATIONALLY RECOGNIZED TESTING LAB AS DEFINED BY OSHA.
- J. ALL ELECTRICAL DEVICES AND TERMINALS SHALL BE RATED 75°C MINIMUM.
- K. ALL CONDUCTORS SHALL BE STRANDED COPPER, 600 VOLT RATED. INSULATION TYPE SHALL BE THINWALL, FULLY COLOR CODED WITH GAUGE, TYPE AND MANUFACTURER MARKED EVERY 24" ALONG. CONDUCTOR COLOR CODE SHALL BE AS FOLLOWS:
- | 208Y/120 VOLT SYSTEM | 480Y/277 VOLT SYSTEM |
|----------------------|----------------------|
| PHASE A - BLACK | PHASE A - BROWN |
| PHASE B - RED | PHASE B - ORANGE |
| PHASE C - BLUE | PHASE C - YELLOW |
| NEUTRAL - WHITE | NEUTRAL - GRAY |
| GROUND - GREEN | GROUND - GREEN |
- L. MINIMUM SIZE WIRE FOR POWER AND LIGHTING CIRCUITS SHALL BE #12 AWG. ALL POWER AND LIGHTING CONDUCTORS SHALL BE ROUTED IN 3/4" CONDUIT MINIMUM.
- M. EMT OR MC TYPE CABLE IS ALLOWED WHEN CONCEALED IN INTERIOR SPACES. MC TYPE CABLE IS NOT ALLOWED FOR HOMERUNS.
- N. MAKE ALL CONNECTIONS TO EQUIPMENT PER MANUFACTURER'S REQUIREMENTS.
- O. ALL EQUIPMENT, SWITCHING DEVICES AND PANELS SHALL BE MOUNTED SO AS TO BE ACCESSIBLE AND SHALL BE MOUNTED PLUMB AND SQUARE WITH WALLS.
- P. DEVICES AND RACEWAYS PENETRATING FIRE RATED WALLS AND FLOORS SHALL BE SEALED WITH FIRE RESISTIVE MATERIAL, COMPATIBLE WITH CONSTRUCTION PENETRATED, TO MAINTAIN RATING OF THE WALL. SEALANT SYSTEM SHALL BE A U.L. APPROVED SYSTEM AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- Q. FURNISH AND INSTALL PULL CORD IN ALL EMPTY CONDUITS.
- R. ALL JUNCTION BOX COVERS WITH POWER WIRING SHALL HAVE THE PANEL AND CIRCUIT LABELED ON THE OUTSIDE SURFACE. ALL LABELS FOR EXPOSED JUNCTION BOXES IN "FINISHED AREAS" SHALL BE LABELED UTILIZING SELF ADHESIVE LABELS PRODUCED BY A MECHANICAL LABELING MACHINE. LABELS FOR JUNCTION BOX COVERS IN CONCEALED LOCATIONS SHALL CONSIST OF THE INFORMATION BEING NEATLY HANDWRITTEN ON THE OUTSIDE SURFACE OF THE COVER WITH A PERMANENT STYLE MARKER.
- S. CLEARLY LABEL ALL ACCESSIBLE CONDUIT STUBS WITH SYSTEM NAME AND LOCATION (ROOM NUMBER) WHERE THE OTHER END OF THE CONDUIT TERMINATES. USE INDELIBLE INK. THE LABELS SHALL BE LOCATED ON THE CONDUIT IN A POSITION THAT CAN BE EASILY READ.
- T. ALL 1 POLE BREAKER CIRCUITS SHALL HAVE AN INDEPENDENT NEUTRAL CONDUCTOR. NO EDISON STYLE SHARED NEUTRAL CONDUCTORS ARE ALLOWED.
- U. ALL CONDUCTORS IN ELECTRICAL PANELS, CABINETS AND EQUIPMENT SHALL BE NEATLY TRAINED AND LACED.
- V. THE CONTRACTOR SHALL PROVIDE UPDATED CIRCUIT PANEL DIRECTORIES FOR ALL PANELS. DIRECTORIES SHALL BE TYPED.
- W. PROVIDE ELECTRICAL SUBMITTALS FOR EQUIPMENT SHOWN AS REQUIRED BY DIVISION 1 SPECIFICATIONS.
- X. ELECTRICAL CONTRACTOR SHALL OBTAIN THE AVAILABLE FAULT CURRENT VALUE FROM THE LOCAL UTILITY OR THE ONE-LINE DIAGRAM AND LABEL THE MAIN BREAKER WITH THAT VALUE.
- Y. SWITCH AND RECEPTACLE LABELING: IDENTIFY PANELBOARD AND CIRCUIT NUMBER FROM WHICH DEVICES ARE SERVED. USE MACHINE PRINTED LABEL AND 1/8" TEXT. INSTALL ON THE OUTSIDE OF THE FACEPLATE FOR RECEPTACLES AND INSIDE THE FACEPLATE FOR SWITCHES.

ELECTRICAL GENERAL NOTES

- A. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE; THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE ELECTRICAL CONTRACTOR.
- B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED UNLESS LOCATED WITHIN DEDICATED ELECTRICAL OR MECHANICAL ROOMS. USE OF SURFACE MOUNTED RACEWAYS IN ALL OTHER SPACES MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE SURFACE RACEWAYS ARE APPROVED, UTILIZE WIREMOLD, OR APPROVED EQUAL. SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
- C. REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON AT THE DEVICES.
- D. PROVIDE PULL-LINE IN ALL EMPTY CONDUITS.
- E. TERMINATE ALL LOW-VOLTAGE CONDUITS WITH INSULATED THROAT BUSHING.
- F. MECHANICAL EQUIPMENT INDICATED IS SHOWN IN AN APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- SITE:
- G. CONTRACTOR SHALL COORDINATE WITH AN UNDERGROUND LOCATING SERVICE PRIOR TO COMMENCING WORK. SEE CIVIL DRAWINGS FOR ADDITIONAL SITE INFORMATION. COORDINATE WITH OTHER SITE DISCIPLINES.
- H. REFER TO POLE BASE DETAIL FOR SITE LIGHTING POLE BASE REQUIREMENTS.
- I. ROUTE CONDUITS IN COMMON TRENCH WHERE POSSIBLE REFER TO TRENCHING DETAIL.



PROJECT NAME:
ITD D6 ISLAND PARK HOUSING SITE DEVELOPMENT

SHEET TITLE:

COVER SHEET

DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN or IMPLIED

DO NOT DISTRIBUTE PARTIAL SETS OF DRAWINGS or SPECIFICATIONS

REVISION DATE

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CLIENT PROJ. NUMBER:

ARCH. JOB NUMBER: 23604

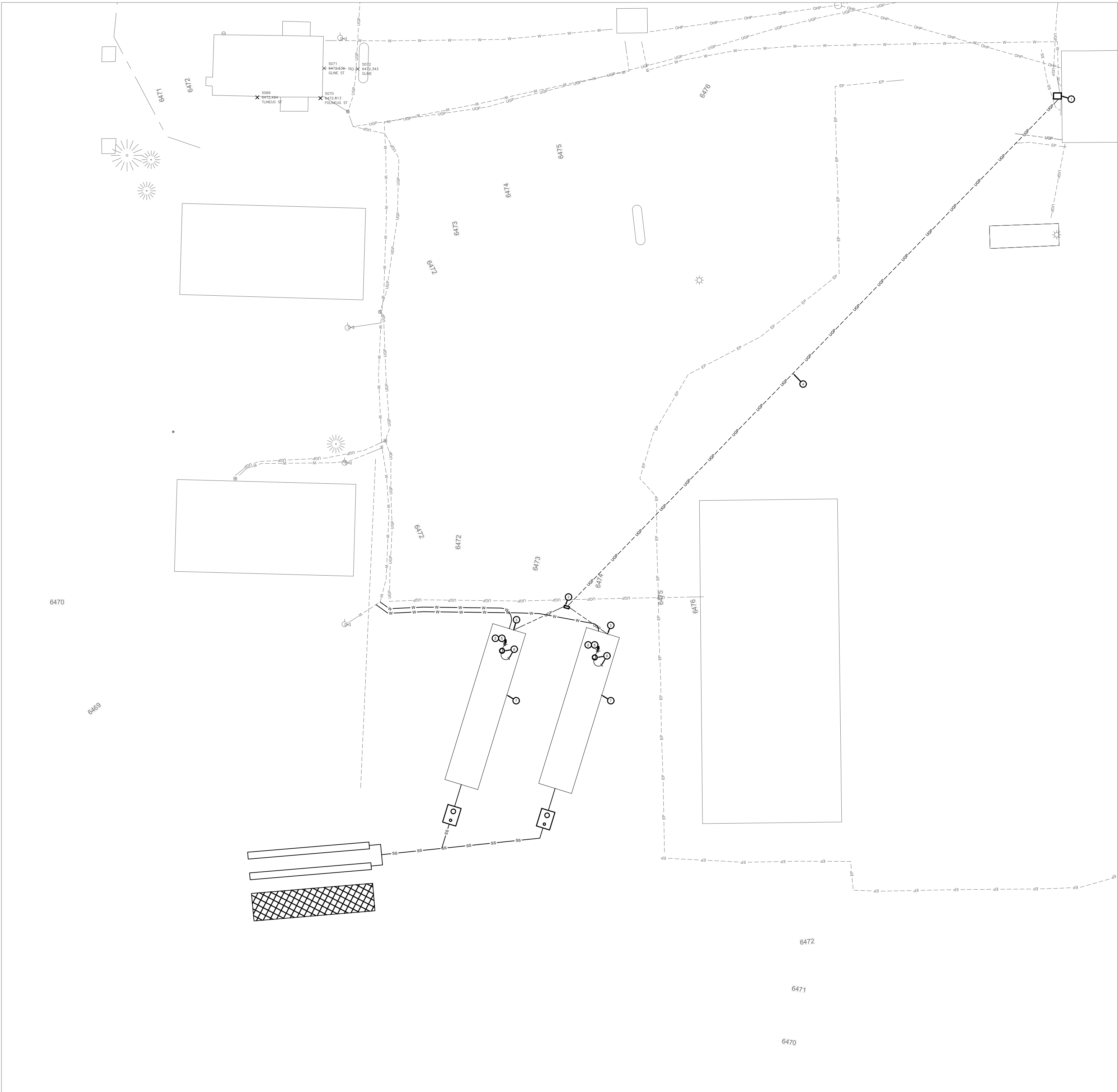
SHEET ISSUED DATE:

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AIA NCARB ASID



ELECTRICAL SITE PLAN
1" = 30'-0"



MUSGROVE
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234 S. Whisperwood Way
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645 West 25th Street
Idaho Falls, ID 83402
208.523.2862
www.musgrovepa.com
Project No. Z3-182

KEYED NOTES:

- # SYMBOL USED FOR NOTE CALLOUT.
- EXISTING TRANSFORMER.
 - APPROXIMATE LOCATION OF NEW SERVICE.
 - VERIFY CABLE ENTRANCE WITH MANUFACTURE'S INSTALLATION MANUAL. ELECTRICIAN TO SEE ONE-LINE DIAGRAM E2.0
 - NEW UNDERGROUND SECONDARY CONDUCTORS. SEE FALL RIVER ELECTRIC'S CURRENT SERVICE GUIDE FOR MORE INFORMATION.
 - ROUTE 3/4"C-2#12, 1#12G FOR PIPE FREEZE PROTECTION HEATING CABLES TO MODULAR BUILDING PANELBOARD. FURNISH AND INSTALL (1) 20A, SINGLE POLE, GFEP (30mA) TYPE CIRCUIT BREAKER IN AVAILABLE BUSSED SPACE IN MODULAR BUILDING PANELBOARD. NEW CIRCUIT BREAKER SHALL MATCH EXISTING, COORDINATE WITH MODULAR BUILDING'S PANELBOARD PRIOR TO BEGINNING WORK. UPDATE PANELBOARD DIRECTORY.
 - FURNISH AND INSTALL RAYCHEM PIPE FREEZE PROTECTION HEAT CABLE, 5XL1 OR APPROVED EQUAL ON THE MODULAR BUILDING'S EXPOSED WASTE LINE AND EXPOSED COLD WATER PIPING AS REQUIRED. INSTALL PER MANUFACTURER'S INSTRUCTIONS. REFER TO THE FLEEWOOD HOMES WASTE LINE AND COLD WATER PIPING DRAWINGS FOR LENGTHS AND ADDITIONAL INFORMATION. COORDINATE WITH THE ARCHITECT FOR THE FLEETWOOD DRAWINGS. INSTALL HEAT CABLE TO BELOW FROST LINE ON THE INCOMING COLD WATER LINE AND OUTGOING WASTE LINE AS REQUIRED. FURNISH AND INSTALL (1) RAYCHEM AMC-F5 FIXED TEMPERATURE THERMOSTAT FOR HEAT CABLE CONTROL/MONITORING. INSTALL THERMOSTAT PER MANUFACTURER'S INSTRUCTIONS. FURNISH AND INSTALL ALL REQUIRED POWER CONNECTIONS, END SEALS, HEAT CABLE TAPE OR STRAPPING AND ELECTRIC TRACE WARNING LABEL/TAPE FOR A COMPLETE AND FUNCTIONING SYSTEM.
 - NEW MODULAR LIVING UNIT

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ITD D6 ISLAND PARK
HOUSING SITE
DEVELOPMENT
ISLAND PARK, ID

SHEET TITLE:
ELECTRICAL
SITE PLAN

DRAWING SCALE APPLIES
TO 22" X 34" SHEET SIZE

CONTRACTOR SHALL VERIFY
ALL DIMENSIONS & CONDITIONS
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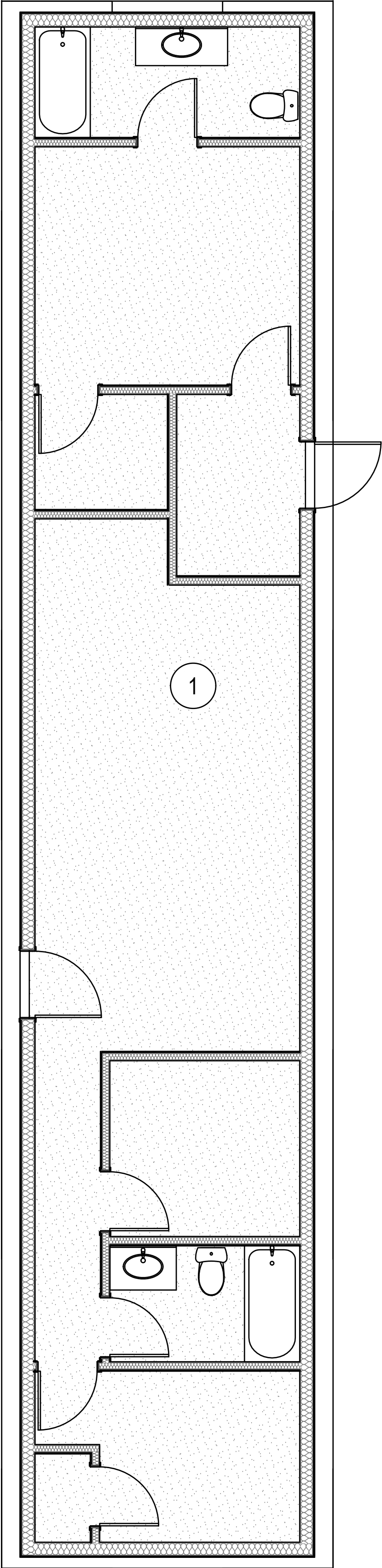
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POWER PLAN

1/4"=1'



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645 West 25th Street
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www.musgrovepa.com
Project No. 23-182

KEYED NOTES:

- # SYMBOL USED FOR NOTE CALLOUT.
1. ALL FIXTURES ARE PROVIDED AND INSTALLED IN ACCORDANCE WITH THE BUILDING MANUFACTURE'S INSTALLATION MANUAL. NO ADDITIONAL WORK SCOPE IS REQUIRED



PROJECT
NAME
**ITD D6 ISLAND PARK
HOUSING SITE
DEVELOPMENT**
ISLAND PARK, ID

SHEET TITLE:

POWER PLAN

DRAWING SCALE APPLIES
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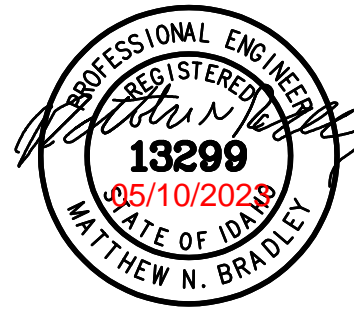


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ITD D6 ISLAND PARK
HOUSING SITE
DEVELOPMENT

ISLAND PARK, ID

PROJECT
TABLE

SHEET TITLE:

ONLINE DIAGRAM
& TRENCH DETAIL

DRAWING SCALE APPLIES
TO 22" X 34" SHEET SIZE

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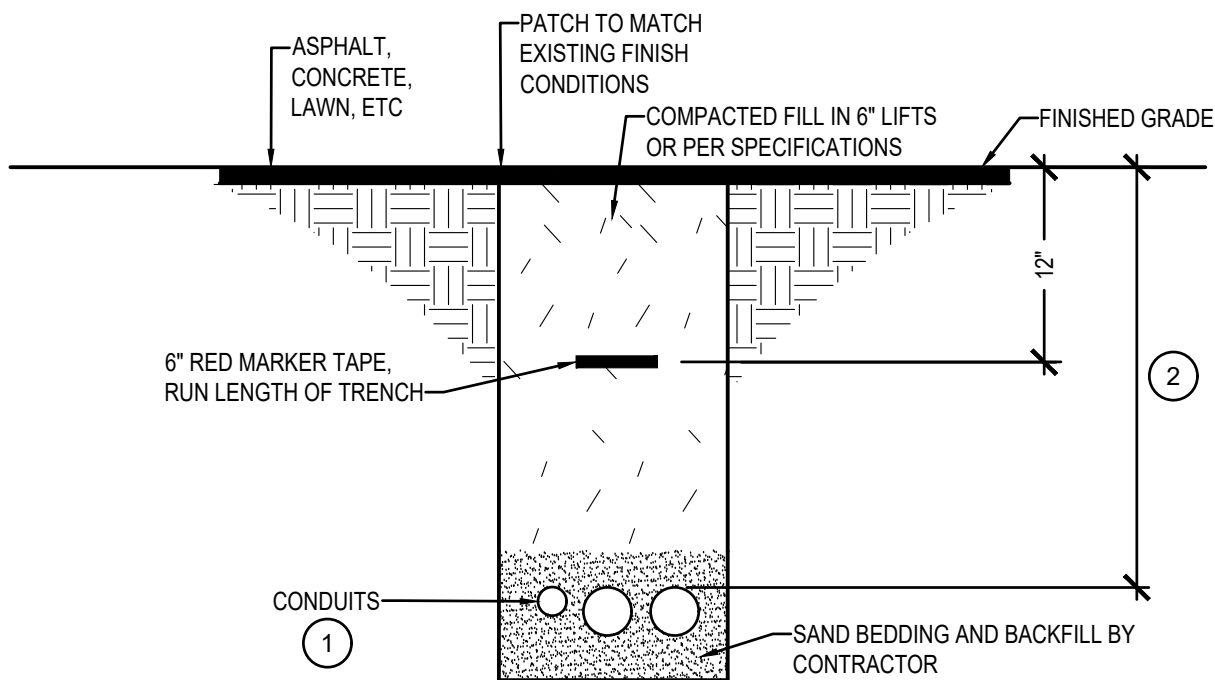
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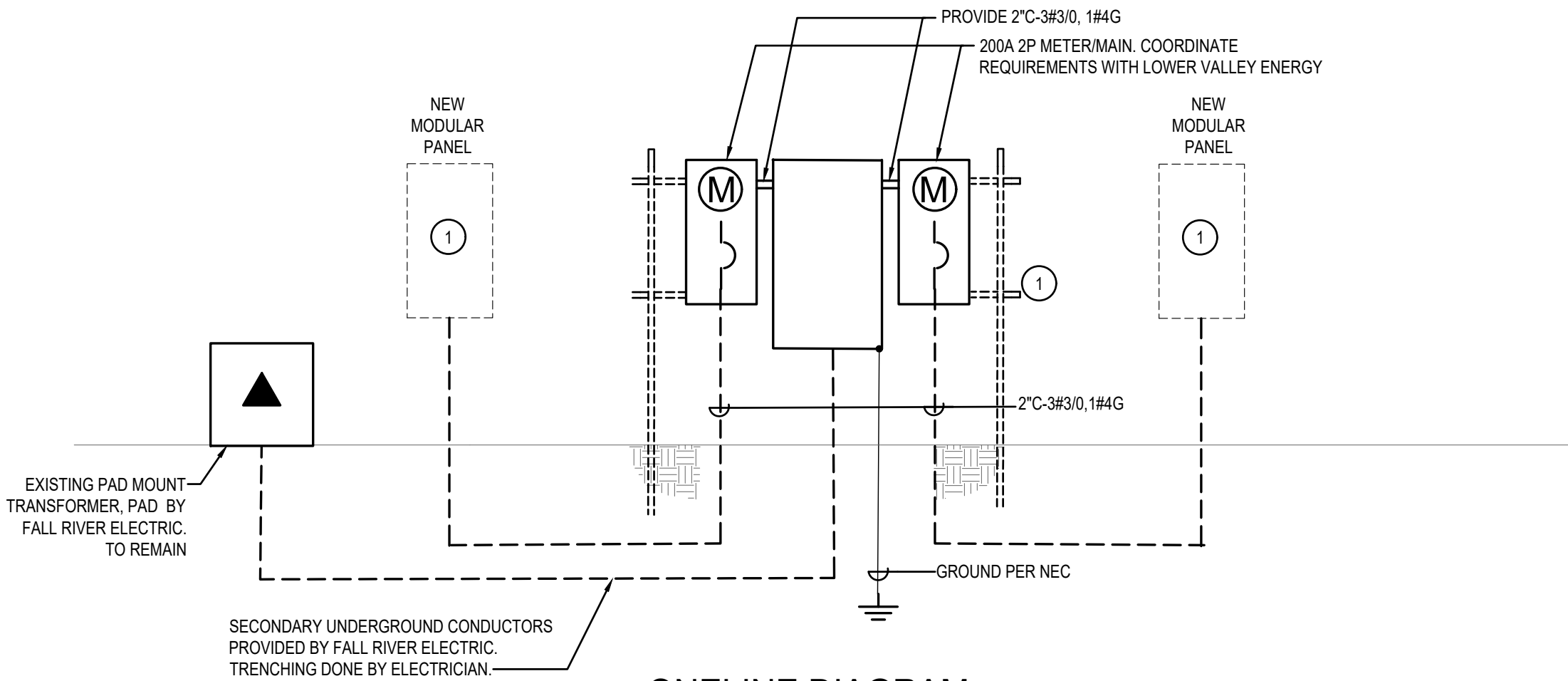
DETAIL NOTES:

SYMBOL USED FOR NOTE CALLOUT.

- IF MULTIPLE CONDUITS SHARE TRENCH, PROVIDE SPACING BETWEEN CONDUITS. PROVIDE ZIP TIES, AND TIE ALL CONDUITS TOGETHER TO ENSURE STABILITY.
- BURIAL DEPTH TO BE VERIFIED WITH UTILITIES AND AUTHORITY HAVING JURISDICTION: ELECTRICAL FEEDERS, COMMUNICATIONS: 24" MINIMUM UNDERGROUND SECONDARY: 30" MINIMUM UNDERGROUND PRIMARY: 42" MINIMUM

SITE TRENCHING DETAIL

NTS



ONLINE DIAGRAM

NTS

DETAIL NOTES:

SYMBOL USED FOR NOTE CALLOUT.

- FURNISH AND INSTALL STRUT RACK FOR MOUNTING ELECTRICAL EQUIPMENT SHOWN. REFER TO THE ELECTRICAL SITE PLAN FOR LOCATION AND ADDITIONAL INFORMATION.
- MODULAR BUILDING PANELBOARD. REFER TO THE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.